

RABIES BULLETIN EUROPE

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1. Introduction

This BULLETIN describes the reported rabies cases in Europe for the **First Quarter 1993**, subsequently referred to as "*This Quarter*".

In SECTION 2 a summary of the rabies situation in general is given.

SECTION 3 (3.1-3.36) reflects the situation for individual countries. There were five countries reporting for the first time - Albania (ALB), Belarus

(BYE), Moldova (MLD), the Czech Republic (CZH) and the Slovak Republic (SVK). The latter two countries are new due to the changed political status.

In the Miscellaneous SECTION under 4.1 information is given on two international rabies conferences. 4.2 presents a report on oral vaccination as practiced in Lithuania and 4.3 an annual rabies

report of Moldova in 1992.

The rabies case data are tabulated for the first quarter 1993 in SECTION 5.

SECTION 6 lists the official contributors to the BULLETIN.

The geographical distribution of rabies cases in Europe for the first quarter 1993 is shown on maps of Russia, Turkey and Europe in the ANNEX.

2. Summary of Rabies in Europe

During "*This Quarter*", 2394 rabies cases were reported in Europe. Of these were 1995 in wild animals (83.3% of total) and 399 in domestic animals.

Of the cases in wild animals 1791 were foxes, 2 wolves, 70 raccoon dogs, 2 wild cats, 27 badgers, 30 other mustelids, 44 roe deer, 4 red deer, 2 wild boars, 1 bat, 1 musk rat, 3 hares, 18 other wild animals not specified. Of the 399 cases in domestic animals 156 were dogs (of which 42 were reported from Turkey, a country with dog-mediated rabies, and thus 42 dogs make 75% of the total in Turkey and 27% of the total in Europe), 128 cats, 6 horses, 3 donkeys, 77 cattle, 14 sheep, 3 goats, 1 pig, 1 other domesticated carnivore, and 10 other domes-

ticated animals not specified.

In countries with fox-mediated rabies there is usually an increase of cases expected during the first quarter when compared to the fourth quarter of the previous year, because of the mating season of the fox. This effect (increase of cases) was clearly noticed during "*This Quarter*" in the following countries: Hungary, Romania, Slovakia, Slovenia. Countries practicing expansive oral vaccination campaigns register though mostly a reduction: Austria, Czech Republic, Germany, France. Poland with no oral vaccination yet registered a reduction of cases after some time of a high rabies incidence, whereby fox populations were reduced by the disease and cases decreased accordingly.

Rabies-free countries in Europe participating in the surveillance were: Denmark, Finland, Greece, Iceland, Ireland, the mainland of Norway, Portugal, the mainland and islands of Spain, Sweden, and the United Kingdom of Britain and Northern Ireland.

There were no cases reported during "*This Quarter*" from Albania (first reporting during "*This Quarter*" and therefore it could be rabies-free), Luxembourg, Svalbard of Norway, but the last indigenously acquired case (in terrestrial animals or bats) was recorded less than two years ago.

There was one bat rabies case reported from the Netherlands.

There was no human rabies case reported.

3. Rabies in Individual Countries

3.1 Albania ALB

by Anesti Rako

There were no rabies cases either in animals nor in humans during "*This Quarter*" in Albania.

3.2 Austria AUT

by Helmut Schnabl

Of 2489 samples examined for rabies during "*This Quarter*", 103 cases (4.1%) were diagnosed rabid. There has been a decrease of cases by 22.3% compared to the fourth quarter 1992.

Of the 103 cases 101 were in wild animals (93 foxes, 5 badgers, 1 marten, 2 roe deer) and 2 in domestic animals (1 bovine, 1 sheep).

The distribution of rabies cases by Bundesländer (federal provinces) and Bezirke (districts) was as follows:

Burgenland: 11 cases in the Bezirke Jennersdorf, Neusiedl/-See, Oberwart, Oberpullendorf. Niederösterreich: 26 cases in the Bezirke Baden, Bruck/-Leitha, Gmünd, Mistelbach, Mödling, Scheibbs.

Oberösterreich: 1 case in the Bezirk Freistadt.

Salzburg: 1 case in the Bezirk Salzburg/Umgebung.

Steiermark: 1 case in the Bezirk Feldbach.

Tirol: 47 cases (45.6%) in the Bezirke Mag.Innsbruck, Innsbruck-Land, Kufstein, Reutte, Schwaz.

Vorarlberg: 16 cases in the Bezirke Bludenz, Bregenz.

3.3 Belgium BEL

by L. Hallet

During "*This Quarter*", one case of rabies was confirmed in a badger in March at Florenceville.

A further spring campaign of oral vaccination of foxes is going to be carried out in April covering an area of 9000 km² using 135.000 vaccine baits distributed from a helicopter.

3.4 Bulgaria BUL

There was only a report received of 3 rabies cases (1 fox, 1 bovine, 1 sheep) in the province of Pleven during the month of January 1993.

No data were received for February and March before going to press.

3.5 Belarus BYE

by S.N. Chpilevskiy

During "*This Quarter*", 26 rabies cases were reported in Belarus, 10 cases in

domestic animals and 26 in wild animals.

All six regions were affected by the disease with 1 to 5 cases in 18 districts.

Editors note: This is a first reporting of Belarus. As no animal species were supplied there is no table prepared in this BULLETIN, however, the cases were placed on the map of European rabies cases in the ANNEX.

3.6 Croatia CRO

by Mate Brstilo

During "*This Quarter*", 424 animals were examined for rabies. Compared to the previous years (70-75%) a decrease of examined foxes was noticed (56.4%). It may be related to died or killed foxes in some parts of Croatia where regular hunting can not be carried out at this moment.

Of 424 animals examined rabies was diagnosed in 119 cases (28%). There were 37 cases more than during the previous quarter (an increase of 45.1%). Of the 119 cases 109 were in foxes (91.6%) and 10 in domestic animals (7 dogs, 3 cats).

In Croatia silvatic rabies prevails.

The following points were noteworthy during "*This Quarter*":

- there was no rabies on the Istra peninsula and in the coastal area;

- rabies cases were more concentrated in the north-west of Croatia;

- There was an increase of cases in the eastern part of the country (Slavonija and Baranja).

3.7 Czech Republic CZH

by Oldrich Matouch

During "*This Quarter*", 2214 animals (1503 foxes, 215 roe deer, 179 cats, 173 dogs, 65 martens and 79 other animals) were examined for rabies; 119 (5.4%) of these were rabid. 105 cases were in wild animals (88.2%) and 4 cases in domestic animals. Of the wild animals 105 cases were noticed in foxes, 6 in martens, 3 in roe deer and 1 in a muskrat. Of the domestic animals 2 cases were in cats, 1 in a dog and 1 in a horse.

There were 120 (50.2%) cases less than during the same period of 1992.

Rabies cases were most frequent in the region of South Moravia (47), East Bohemia (41) and North Bohemia (14). The situation improved in West Bohemia (7 cases) due to oral vaccination efforts.

There was no human rabies case reported in the Czech Republic.

3.8 Denmark DEN

by Eric Stougaard

The country remained rabies-free.

3.9 Germany, DEU Federal Republic

by Winfried W. Müller
and Thomas Müller

A total of 215 rabies cases was reported during "*This Quarter*". There was a reduction of cases compared to the previous quarter by 94 and compared to the first quarter 1992 (536) by 321 cases.

There were 3 Bundesländer (federal states) of 16 with increasing figures - Hessen from 2 to 4, Rheinland-Pfalz from 16 to 21 and Nordrhein-Westfalen, only reinfected during the previous quarter from 15 to 32 cases.

For most Bundesländer the yearly observed increase of rabies cases from the fourth quarter of the previous to the first quarter of the new year did not occur. This favourable development of the overall rabies situation may well be accounted for the country-wide oral vaccination campaigns carried out in autumn 1992.

3.10 Estonia EST

by M. Nautras

During "*This Quarter*", 42 rabies cases were registered in Estonia, 2 cases more than during the previous quarter. There were 33 cases diagnosed in wild animals (23 foxes, 10 raccoon dogs) and 9 cases in domestic animals (5 dogs, 2 cats, 2 cattle).

Of the 16 districts only Tallin was without a rabies case, all others had 1 to 7 cases.

3.11 Finland FIN

by Bengt Westerling

The country remained rabies-free.

Surveillance:

During "*This Quarter*", 153 samples were investigated for rabies with negative results. Of these 145 derived from wild animals (51 foxes, 85 raccoon dogs, 2 badgers, 4 pine martens, 2 lynx, 1 elk) and 8 from domestic animals (5 dogs, 3 cats).

3.12 France FRA

by Michel F.A. Aubert

114 rabies cases were registered during "*This Quarter*", 71 cases less than during the previous quarter. 86 cases were diagnosed in foxes (75.4% of total), 10 in other wild animals and 19 in domestic animals (3 dogs, 4 cats, 6 cattle, 5 sheep).

The three departments (Départements) registering the greatest number of cases were Vosges (32), Haute-Saône (14) and Haut Rhin (14).

3.13 Greece GRE

by A. Katsaounis

The country remained rabies-free.

3.14 Hungary HUN

by Balint Kerekes

The rabies cases in the country increased by 92% compared to the same period of last year - 1/92 = 240 cases; 1/93 = 461 cases. The distribution of animal species involved in the disease was higher in foxes (1/92 = 78.3% of total; 1/93 = 81.8%), lower in cats (1/92 = 7.9%; 1/93 = 6.1%), and lower as well in dogs (1/92 = 9.6%; 1/93 = 7.2%).

The provinces (Komitate) mostly affected by the disease were: Fejer-centre of the country - with 61 cases, Borsod-Abauj-Zemlen-east of the country-with 40 cases, and Baranya - south of the country - with 39 cases.

Oral vaccination of foxes against rabies is going to be carried out the second time between 19 and 23 April along the Austrian border. The area to be vaccinated will be approx. 1000 km² larger than during autumn 1992 (5000 km²). 120,000 vaccine baits "Fuchsoral A.U.V." are going to be used.

3.15 Iceland ICE

The country remained rabies-free.

3.16 Ireland IRE

The country remained rabies-free.

3.17 Italy ITA

by Santino Proserpi

During "*This Quarter*", 6 cases of rabies were diagnosed, all in foxes. Of these, two were reported in the provinces of Udine and Trieste (Friuli Venezia Giulia Region) which had been infected previously. Four cases, in March were observed in the province of Bolzano in the municipality of Brennero bordering with Tyrol of Austria where the disease is presently endemic. The last case of rabies had been reported in the province of Bolzano in 1984.

3.18 Lithuania LTU

by Algis Dranseika

During "*This Quarter*", 27 rabies cases were diagnosed in the country in 13 districts. 18 cases occurred in domestic animals (8 dogs, 4 cats, 6 cattle) and 9 in wild animals (6 foxes, 2 raccoon dogs, 1 wolf).

The districts mostly affected were Vilnius (6 cases), Joniškis (4), Jurbarkas and Pakruojis (3 each). All other affected districts reported 1 to 2 cases.

During "*This Quarter*", more than 25,000 dogs were vaccinated against rabies.

3.19 Luxembourg LUX

by Joseph Kremer

During "*This Quarter*", no case of rabies was recorded. The last case of the Grand Duchy of Luxembourg had been noticed 5 months ago.

To consolidate the favourable rabies situation an oral fox vaccination campaign is going to be organized once more in April covering the entire country. During this campaign for the third time French vaccine baits are going to be used -RABORAL- distributed by helicopter.

Five foxes, 2 martens and 1 roe deer were examined for rabies during "*This Quarter*", but revealed negative results.

3.20 Latvia LVA

by Z. Andersons, A. Dedzins and J. Rimeicans

During "*This Quarter*", the brains of 37 animals were examined for rabies by immunofluorescence. 25 of these (67.6%) were positive for rabies compared to 25 also in the previous quarter. There were 13 cases in wild animals (9 foxes, 4 raccoon dogs) and 12 in domestic animals (7 dogs, 3 cats, 2 cattle). 15 districts (out of 26) were free of rabies during "*This Quarter*". The most affected district of the country was Ogre with 5 cases.

There was no case of human rabies.

3.21 Moldova MLD

by J.V. Groushko

During "*This Quarter*", 27 samples were investigated for rabies. Three cases were diagnosed positive: 2 foxes and 1 cat.

3.22 Netherlands NET

by J.H.M. Nieuwenhuijs

During "*This Quarter*", 164 animals were examined for rabies - 111 adult foxes, 20 juvenile foxes, 18 badgers, 1 dog, 1 cat, 1 bovine, 1 deer and 11 bats.

One bat was diagnosed rabid.

3.23 Norway NOR

by Gudbrand Bakken

The mainland of Norway remained rabies-free.

No case of rabies has been reported in Svalbard during "*This Quarter*".

3.24 Poland POL

by Jozef Maleszewski

A total of 802 rabies cases in animals was reported in Poland during "*This Quarter*", 494 cases less than during the previous quarter (1296) and

157 more than during the first quarter 1992 (645).

All provinces (voivode-ships) of the country were affected by the disease with 2 to 51 cases respectively. The provinces with the highest incidence rate were in the north-west: Koszalin (52 cases), Gorzow and Szczecin (41 cases each).

The distribution of animal species affected were as follows: 599 foxes (74.7% of total), 1 badger, 1 wolf, 54 raccoon dogs, 12 pine martens, 2 polecats, 24 roe deer, 1 red deer, 2 wild boar, 3 hares, 35 dogs, 45 cats, 2 horses, 20 cattle, 1 other domesticated carnivore.

3.25 Portugal POR

The country remained rabies-free.

3.26 Romania ROM

by Gheorghe Stratulat

During "*This Quarter*", 22 rabies cases were diagnosed in Romania, double as many as in the previous quarter. There were 13 cases in wild animals (11 foxes, 2 other wild animals) and 9 in domestic animals (2 dogs, 4 cats, 3 cattle).

While the provinces of the centre of the country reported no rabies cases, there were 12 provinces located more toward the national border reporting 1 to 5 cases.

3.27 Russia RUS (European part only)

by V.A.Vedernikov, S.A.Chernichenko
and V.A. Kobasov

During "*This Quarter*", 334 rabies cases in animals were reported from the European part of Russia. Of the total number of cases 270 were in domestic animals - 48 dogs, 21 cats, 114 cattle, 17 horses, 59 small ruminants, 11 other domestic animals. Of 64 wild animals rabies was diagnosed in 58 foxes, 2 wolves and 4 raccoon dogs.

Nearly all cases were distributed in the southern half of the European part of Russia. Most affected were the Republic of Bashkortostan with 161 cases, followed by the Astrakhan region with 24, the Republic of Tatarstan with 20 and by the Saratov region also with 20 cases.

Two rabies cases in reindeers were diagnosed in the Malosemjelskaia Tundra (Arkhangelsk region).

Editors note:

As the data for the Russian Federation came in late they could not be processed in the usual manner. They are not considered in the summary tables nor in the text on the summary of rabies in Europe.

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3.28 Slovak Republic SVK

by Bohuslav Lovas

A total of 113 rabies cases was reported during "*This Quarter*". Of these 103 cases were in wild animals (101 foxes, 2 badgers) and 10 in domestic animals (4 dogs, 6 cats).

There were 23 cases less compared to the same period of 1992 (136).

3.29 Spain SPA

by T. Maté Maté

During "*This Quarter*", the mainland and islands of Spain remained rabies-free.

There were 3 dogs diagnosed rabid in Melilla the Spanish territory of North Africa.

3.30 Slovenia SVN

by Armin Tomašič

During "*This Quarter*", 80 rabies cases were noticed in Slovenia, 22 more compared to the previous quarter. 72 cases occurred in foxes (90% of total), 2 in roe deer, 4 in cats and 2 in dogs.

The communities (Občina) Skofja Loka and Ljubljana-Vič-Rudnik in the center of the country reported

18 and 15 cases respectively, all other communities between 1 and 7.

3.31 Sweden SWE

The country remained rabies-free.

3.32 Switzerland SWI

by Urs Breitenmoser

During "*This Quarter*", the Swiss Rabies Centre examined 691 animals, of which 1.89% (13) were positive for rabies. In the previous quarter, 3.6% (26 out of 716), and in the first quarter of 1992, 4.5% (39 out of 870) had been recorded positive, respectively. The cases of rabies observed during "*This Quarter*" involved 7 red foxes, 4 badgers, 1 domestic cat, and 1 bovine.

All cases recorded came from regions infected as in the previous quarter, from the larger vicinity of Basel, in the north of Switzerland and the canton Berne (1 case).

Four bats (1 *Nyctalus leisleri*, 1 *Pipistrellus kuhli*, 1 *Pipistrellus nathusii*, 1 *Pipistrellus pipistrellus*) were examined during the reporting period. All of them proved to be negative for rabies.

No bite exposures of people to animals positive for rabies occurred. The number of people treated for non-bite exposures is not recorded.

3.33 Turkey TUR

During "*This Quarter*", 56 rabies cases were reported from Turkey, 25 less than during the previous quarter. All animals affected were domestic animals (42 dogs, 5 cats, 6 cattle, 1 sheep, 2 donkeys).

Cases were scattered throughout the country with not more than 6 cases in one province (II).

3.34 Ukraine UKR

No data.

3.35 United Kingdom UNK

by P.J. Thomas

The country remained rabies-free.

3.36 Yugoslavia YUG

by Dušan Jakovljević

40 rabies cases were registered during "*This Quarter*", all of them in Vojvodina. 32 cases were in foxes (80% of total) and 8 cases in domestic animals (2 dogs, 5 cats, 1 bovine).

4. MISCELLANEOUS ARTICLES

4.1 Information

There will be the following two international conferences on rabies in October 1993. The first one in Piešťany, Slovak Republic, combines an International Conference on Zoonoses and the IVth Meeting on Wildlife Rabies Control in Europe. The second one is the 4th Annual International Meeting on "Rabies Control in the Americas", which takes place in Philadelphia, U.S.A.

Here are some more details:

Title: International Conference on Zoonoses and IVth Meeting on Wildlife Rabies Control

Time: 05 - 08 October 1993

Place: Piešťany, Slovak Republic

**Contact: Ms. Soňa Kozáková
Association of Slovak Medical Societies
Legionárska 4
813 22 Bratislava
Slovak Republic
Phone (...) 42 7 78 35 39
Fax (...) 42 7 21 23 63**

Title: 4th Annual International Meeting on "Rabies Control in the Americas"

Time: 28 - 30 October 1993

Place: Philadelphia, PA, U.S.A.

**Contact: Pamela E. Leve
Department of Microbiology and Immunology
Thomas Jefferson University
1020 Locust Street, Room 469
Philadelphia, PA 19107, U.S.A.
Phone (...) 215-955-1282
Fax (...) 215-923-6795**

4.2 Oral Vaccination of Wild Animals against Rabies as Practiced in Lithuania

by Saulius Petkevicius

Rabies is the predominate zoonosis of Lithuania. It is mainly spread by foxes and raccoon dogs, seldom by wolves, martens, polecats. Wild animals frequently infect cattle on pastures in summer, whereas in winter stray cats and stray dogs introduce rabies into farms.

The main preventive measures against rabies are: reducing fox and raccoon dog populations by hunting, dog and cat vaccination and the control of stray animals.

Nevertheless, the applied traditional control measures were insufficient. The foxes and raccoon dogs could not be decreased in their biotope during the last years and they now exceed 6 times the rate aimed at: 1-2 animals per 1000 ha of habitat. Additionally, there is always a certain number of stray cats and stray dogs remaining unvaccinated. Therefore, these favourable conditions for rabies help to maintain the disease among domestic and wild animals.

In some countries, Belarus among them, a new way of combatting rabies has been tested and successfully applied. That is - the oral vaccination of wild carnivores, especially foxes. By this means rabies has been eliminated in some regions of Switzerland.

In 1983-1986 the efficacy of oral vaccination of

wild carnivores was studied at the Lithuanian Institute of Veterinary Research. The vaccine was produced of live rabies virus strain Balt. EVHTI-VVMKI 71, adapted to tissue culture (*see also Editors note on the next page*). 277 foxes, 73 raccoon dogs and 14 badgers were orally vaccinated over a period of 4 years. 7 natural foci situated in 5 regions were eliminated of rabies.

Wild animals can be vaccinated orally in Lithuania throughout the year. Nevertheless, it is most expedient to vaccinate them in spring (February-April) when they are mating and prepare for the raising of young or in autumn (October-November) when the young disperse.

The organizational work starts with acquiring maps (scale 1:100.000) at the Department of Land Management. The information on inhabited dens is obtained from local hunters and foresters. They are also the advisers for the bait distribution. The sites of bait distribution are mapped.

The manufactured liquid vaccine is stored in refrigerators. Before use it must be warmed up to room temperature, then 2% of apple or sugar beet pectin is added to protect the vaccine from the inactivating effect of gastric fluid and, the solution is stirred

for 10 minutes by electric mixer. To prevent rotting in summer, 1000 v.v./ml of tetracycline is added. The so prepared vaccine is introduced into a fish-bait, which must be fresh and not frozen, by using a syringe with 10 cm long needles.

Fish pieces weighing 70-100 g serve as baits: Species used are perch, bream, goldfish, rudd, etc. Vaccine baits are kept in plastic or metal containers at temperatures from 5 to 8°C. The vaccine baits are prepared in the evening and the next day carried to the sites of vaccination. The once thawed vaccine can be used up to 2 weeks if kept in the refrigerator. Repeated warming up of the vaccine bait is not recommended.

Vaccine baits are taken with pliers and distributed at entrances of fox inhabited dens (1-2 vaccine baits per den) or close to them (5-10 m). In winter, when only fox tracks are seen in the snow, vaccine baits are distributed at a rate of up to 30 vaccine baits per km².

The vaccine effectiveness in the bait depends on the air temperature: kept refrigerated it can be preserved for 2 weeks, whereas at 15-20°C about a week. Vaccine baits are readily taken by foxes and raccoon dogs during the first 2-5 days (ca. 95%). After 3-5 days it is checked how many

baits were taken. The remaining vaccine baits must be collected and destroyed. The distributed vaccine baits should be hidden under grass and twigs and should not be exposed to sun directly.

Vaccine baits are inoffensive for animals, birds and people. But veterinary surgeons working with oral rabies vaccine should better be inoculated.

While handling vaccine baits, attention should be paid that there are no lesions to hands. Otherwise rubber gloves should be worn. After work or if hands were hurt, they have to be washed for 3-5 min. with soap and water and disinfected with the following solutions: 1.0% soap spirit (45-70%), 0.2% timol spirit (90%), 0.5% iodine spirit or 45-70% spirit.

After the work is fin-

ished a protocol on the vaccination campaign is written.

The cost of one dose of oral vaccine is 0.5 rubles.

The animals develop antirabies immunity 25-30 days after the vaccination campaign. The immunity persists for one year.

Permission of oral vaccination against rabies is granted by the Chief of the State Veterinary Inspection.

Editors' note: The vaccine strain is apparently a derivative of Vnukovo virus, a hamster cell line adapted ERA derivative. No data on efficacy and safety in the field or laboratory are available to us to date.

4.3 Rabies in Moldova in 1992

by I.V. Groushko

Rabies continued to decline in the Republic of Moldova in 1992. There was no human case reported. The

dog seems to be the rabies reservoir in the country.

4181 animals were placed under quarantine to

diagnose rabies. Only 7 were rabid. The following table summarizes locations and number of rabid and quarantined animals:

Regions	Rabies Cases	Rabies Suspected Animals
New Aneny	1 fox	583
Edincy	1 dog	624
Grigoriopol	1 dog	385
Nisporeny	2 cattle	601
Orgeev	1 squirrel	908
Rybnyca	1 cat	1080
Total	7 cases	4181

In 1992 government subsidized antirabies vaccination was applied to 42,129,900 animals.

There are the following plans for rabies control in 1993:

1. Increase of vaccinations to

domestic and wild animals (vaccine baits).

2. Removal of stray dogs and cats. Reduction of potential wildlife carriers of rabies by hunting.

3. Information to the public on the origin of the disease and how it may be controlled.

4. Improvement of laboratory methods for diagnosis. Use of more efficient vaccines.

5. Better surveillance of the disease to improve prophylactic measures.

6. Improved disposal of rabid carcasses.

TABLE 1

EUR EUROPE 1/93		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL		
ALB	ALBANIA *							0						0		0
AUT	AUSTRIA	-	-	1	-	1	-	2	93	5	1	2	-	101		103
BEL	BELGIUM							0	-	1	-	-	-	1		1
BUL	BULGARIA	-	-	1	-	1	-	2	1	-	-	-	-	1		3
BYE	BELARUS	-	-	-	-	-	10	10	-	-	-	-	16	16		26
CRO	CROATIA	7	3	-	-	-	-	10	109	-	-	-	-	109		119
CZH	CZECH REPUBLIC	1	2	-	1	-	-	4	105	-	6	3	1	115		119
DEN	DENMARK *							0						0		0
DEU	FED. REP. OF GERMANY	2	11	13	3	6	1	36	152	10	3	14	-	179		215
EST	ESTONIA	5	2	2	-	-	-	9	23	-	-	-	10	33		42
FIN	FINLAND *							0						0		0
FRA	FRANCE	3	4	6	-	5	-	18	86	4	5	-	1	96		114
GRE	GREECE *							0						0		0
HUN	HUNGARY	33	28	15	-	3	1	80	377	-	1	2	1	381		461
ICE	ICELAND *							0						0		0
IRE	IRELAND *							0						0		0
ITA	ITALY							0	6	-	-	-	-	6		6
LTU	LITHUANIA	8	4	6	-	-	-	18	6	-	-	-	3	9		27
LUX	LUXEMBOURG *							0						0		0
LVA	LATVIA	7	3	2	-	-	-	12	9	-	-	-	4	13		25
MLD	MOLDOVA	-	1	-	-	-	-	1	2	-	-	-	-	2		3
NET	NETHERLANDS							0	-	-	-	-	1	1		1
NOR	NORWAY *							0						0		0
POL	POLAND	35	45	20	2	-	1	103	599	1	14	25	60	699		802
POR	PORTUGAL *							0						0		0
ROM	ROMANIA	2	4	3	-	-	-	9	11	-	-	-	2	13		22
RUS	RUSSIAN FED **							0						0		0
SPA	SPAIN 1)	3	-	-	-	-	-	3						0		3
SVK	SLOVAK REPUBLIC	4	6	-	-	-	-	10	101	2	-	-	-	103		113
SVN	SLOVENIA	2	4	-	-	-	-	6	72	-	-	2	-	74		80
SWE	SWEDEN *							0						0		0
SWI	SWITZERLAND + LIECHT	-	1	1	-	-	-	2	7	4	-	-	-	11		13
TUR	TURKEY	42	5	6	-	1	2	56						0		56
UKR	UKRAINE **							0						0		0
UNK	UNITED KINGDOM *							0						0		0
YUG	YUGOSLAVIA	2	5	1	-	-	-	8	32	-	-	-	-	32		40
TOTAL		156	128	77	6	17	15	399	1791	27	30	48	99	1995	0	2394
PER CENT		6.5	5.3	3.2	0.3	0.7	0.6	16.7	74.8	1.1	1.3	2.0	4.1	83.3	0.0	100.0

* NO CASES ** NO DATA 1) NORTH AFRICA

TABLE 2

EUR		EUROPE		1/93		RABIES CASES 'OTHER ANIMAL SPECIES'							1. 1.93 - 31. 3.93	
LOCATION		OTHER DOMESTIC ANIMALS				OTHER WILD ANIMALS							TOTAL	
CODE	NAME	OTH.DOM. CARNIVO	DONKEY	PIG	OTHERS	WOLF	RACCOON DOG	WILD CAT	WILD BOAR	INSECTIV. BATS	MUSKRAT	HARE		OTHERS
BYE	BELARUS	-	-	-	10	-	-	-	-	-	-	-	16	26
CZH	CZECH REPUBLIC	-	-	-	-	-	-	-	-	-	1	-	-	1
DEU	FED.REP. OF GERMANY	-	1	-	-	-	-	-	-	-	-	-	-	1
EST	ESTONIA	-	-	-	-	-	10	-	-	-	-	-	-	10
FRA	FRANCE	-	-	-	-	-	-	1	-	-	-	-	-	1
HUN	HUNGARY	-	-	1	-	-	-	1	-	-	-	-	-	2
LTU	LITHUANIA	-	-	-	-	1	2	-	-	-	-	-	-	3
LVA	LATVIA	-	-	-	-	-	4	-	-	-	-	-	-	4
NET	NETHERLANDS	-	-	-	-	-	-	-	-	1	-	-	-	1
POL	POLAND	1	-	-	-	1	54	-	2	-	-	3	-	61
ROM	ROMANIA	-	-	-	-	-	-	-	-	-	-	-	2	2
TUR	TURKEY	-	2	-	-	-	-	-	-	-	-	-	-	2
TOTAL		1	3	1	10	2	70	.2	2	1	1	3	18	114
PER CENT		0.9	2.6	0.9	8.8	1.8	61.4	1.8	1.8	0.9	0.9	2.6	15.8	100.0

1st Quarter: January - March 1993

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AUT AUSTRIA		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
105	JENNERSDORF							0	2	-	-	-	-	2		2
107	NEUSIEDL AM SEE							0	6	-	-	-	-	6		6
108	OBERPULLENDORF							0	1	-	-	-	-	1		1
109	OBERWART							0	2	-	-	-	-	2		2
306	BADEN							0	1	-	-	-	-	1		1
307	BRUCK AN DER LEITHA							0	1	-	-	-	-	1		1
309	GMUEND							0	3	-	-	-	-	3		3
316	MISTELBACH							0	3	-	-	-	-	3		3
317	MOEDLING							0	16	-	-	1	-	17		17
320	SCHNIBBS							0	1	-	-	-	-	1		1
406	FREISTADT							0	1	-	-	-	-	1		1
503	SALZBURG-LAND							0	1	-	-	-	-	1		1
604	FELDBACH							0	1	-	-	-	-	1		1
701	INNSBRUCK-STADT							0	3	1	-	-	-	4		4
703	INNSBRUCK-LAND	-	-	-	-	1	-	1	14	1	-	-	-	15		16
705	KUFSTEIN							0	4	-	-	-	-	4		4
708	REUTTE							0	1	-	-	-	-	1		1
709	SCHNAZ							0	21	-	-	1	-	22		22
801	BLUDENZ							0	4	-	-	-	-	4		4
802	BREGENZ	-	-	1	-	-	-	1	7	3	1	-	-	11		12
TOTAL		0	0	1	0	1	0	2	93	5	1	2	0	101	0	103
PER CENT		0.0	0.0	1.0	0.0	1.0	0.0	1.9	90.3	4.9	1.0	1.9	0.0	98.1	0.0	100.0

RABIES CASES																1. 1.93 - 31. 3.93	
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL		
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL	
BEL BELGIUM																	
LX	LUXEMBOURG							0	-	1	-	-	-	1		1	
TOTAL		0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	
BUL BULGARIA																	
14	PLEVEN *	-	-	1	-	1	-	2	1	-	-	-	-	1		3	
TOTAL		0	0	1	0	1	0	2	1	0	0	0	0	1	0	3	
BYE BELARUS																	
01	Belarus	-	-	-	-	-	10	10	-	-	-	-	16	16		26	
TOTAL		0	0	0	0	0	10	10	0	0	0	0	16	16	0	26	

* DATA FOR JANUARY ONLY

CRO CROATIA		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
011	CAKOVEC							0	2	-	-	-	-	2		2
013	DARUVAR							0	1	-	-	-	-	1		1
014	DELNICE							0	2	-	-	-	-	2		2
015	DONJA STUBICA							0	7	-	-	-	-	7		7
017	DONJI MIHOLJAC	-	1	-	-	-	-	1	3	-	-	-	-	3		4
020	DUGA RESA							0	2	-	-	-	-	2		2
023	DAKOVO							0	1	-	-	-	-	1		1
024	DURDEVAC							0	1	-	-	-	-	1		1
034	JASTREBARSKO							0	3	-	-	-	-	3		3
036	KARLOVAC							0	1	-	-	-	-	1		1
040	KOPRIVNICA							0	4	-	-	-	-	4		4
043	KRAPINA							0	1	-	-	-	-	1		1
044	KRIZEVCI							0	1	-	-	-	-	1		1
046	KUTINA							0	3	-	-	-	-	3		3
052	NASICE							0	7	-	-	-	-	7		7
053	NOVA GRADISKA	1	-	-	-	-	-	1	2	-	-	-	-	2		3
054	NOVI MAROF	-	1	-	-	-	-	1		-	-	-	-	0		1
057	OGULIN	1	-	-	-	-	-	1	1	-	-	-	-	1		2
061	OSIJEK	2	1	-	-	-	-	3	7	-	-	-	-	7		10
062	OTOCAC							0	1	-	-	-	-	1		1
065	PAKRAC							0	1	-	-	-	-	1		1
068	PODRAVSKA SLATINA							0	7	-	-	-	-	7		7
073	RIJEKA	1	-	-	-	-	-	1	1	-	-	-	-	1		2
078	POZEGA	1	-	-	-	-	-	1	2	-	-	-	-	2		3
079	SLAVONSKI BROD							0	7	-	-	-	-	7		7
086	VALPOVO							0	1	-	-	-	-	1		1
087	VARAZDIN							0	4	-	-	-	-	4		4
088	VINKOVCI							0	6	-	-	-	-	6		6
089	VIROVITICA	1	-	-	-	-	-	1	1	-	-	-	-	1		2
092	VRBOVEC							0	8	-	-	-	-	8		8
093	VRBOVSKO							0	2	-	-	-	-	2		2
095	VRGORAC							0	1	-	-	-	-	1		1
097	ZABOK							0	4	-	-	-	-	4		4
100	ZLATAR BISTRICA							0	2	-	-	-	-	2		2
102	GRAD ZAGREB							0	12	-	-	-	-	12		12
TOTAL		7	3	0	0	0	0	10	109	0	0	0	0	109	0	119
PER CENT		5.9	2.5	0.0	0.0	0.0	0.0	8.4	91.6	0.0	0.0	0.0	0.0	91.6	0.0	100.0

R A B I E S C A S E S															1. 1.93 - 31. 3.93	
LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
CZH C Z E C H R E P U B L I C																
	00 DISTRICT OF PRAGUE							0						0		0
	01 CENTRAL BOHEMIA							0	-	-	1	-	1	2		2
	02 SOUTH BOHEMIA							0	6	-	1	-	-	7		7
	03 WEST BOHEMIA							0						0		0
	04 NORTH BOHEMIA	-	2	-	-	-	-	2	11	-	1	-	-	12		14
	05 EAST BOHEMIA	1	-	-	-	-	-	1	37	-	1	2	-	40		41
	06 SOUTH MORAVIA							0	46	-	1	-	-	47		47
	07 NORTH MORAVIA	-	-	-	1	-	-	1	5	-	1	1	-	7		8
	TOTAL	1	2	0	1	0	0	4	105	0	6	3	1	115	0	119
	PER CENT	0.8	1.7	0.0	0.8	0.0	0.0	3.4	88.2	0.0	5.0	2.5	0.8	96.6	0.0	100.0
SVK S L O V A K R E P U B L I C																
	10 DISTRICT OF BRATISLAV							0	1	-	-	-	-	1		1
	11 WEST SLOVAKIA	2	1	-	-	-	-	3	39	-	-	-	-	39		42
	12 CENTRAL SLOVAKIA	1	3	-	-	-	-	4	31	-	-	-	-	31		35
	13 EAST SLOVAKIA	1	2	-	-	-	-	3	30	2	-	-	-	32		35
	TOTAL	4	6	0	0	0	0	10	101	2	0	0	0	103	0	113
	PER CENT	3.5	5.3	0.0	0.0	0.0	0.0	8.8	89.4	1.8	0.0	0.0	0.0	91.2	0.0	100.0

DEU		FEDERAL REPUBLIC OF GERMANY						RABIES CASES						1. 1.93 - 31. 3.93		
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	SCHLESWIG-HOLSTEIN							0						0	0	
02	HAMBURG							0						0	0	
03	NIEDERSACHSEN	-	1	1	-	4	-	6	6	2	1	-	-	9	15	
04	BREMEN							0						0	0	
05	NORDRHEIN-WESTFALEN	-	2	4	-	-	-	6	23	1	-	2	-	26	32	
06	HESSEN							0	4	-	-	-	-	4	4	
07	RHEINLAND-PFALZ							0	21	-	-	-	-	21	21	
08	BADEN-WUERTTEMBERG	-	1	2	1	-	1	5	44	6	2	6	-	58	63	
09	BAYERN	-	1	2	-	-	-	3	36	1	-	2	-	39	42	
10	SAARLAND	-	1	-	-	1	-	2	1	-	-	2	-	3	5	
11	Berlin							0	1	-	-	-	-	1	1	
12	Brandenburg		2	-	-	-	-	2	5	-	-	1	-	6	8	
13	Mecklenb.-Vorpommern	-	-	4	-	-	-	4	5	-	-	-	-	5	9	
14	Sachsen	-	-	-	-	1	-	1	-	-	-	1	-	1	2	
15	Sachsen-Anhalt	2	3	-	2	-	-	7	6	-	-	-	-	6	13	
16	Thüringen							0						0	0	
TOTAL		2	11	13	3	6	1	36	152	10	3	14	0	179	0	215
PER CENT		0.9	5.1	6.0	1.4	2.8	0.5	16.7	70.7	4.7	1.4	6.5	0.0	83.3	0.0	100.0

R A B I E S C A S E S															1. 1.93 - 31. 3.93	
LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
EST E S T O N I A																
01	Harjumaa	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
02	Hiiumaa	1	-	-	-	-	-	1	2	-	-	-	-	2	-	3
03	Ida-Virumaa	-	2	-	-	-	-	2	2	-	-	-	-	2	-	4
04	Jogevamaa	1	-	-	-	-	-	1	-	-	-	-	1	1	-	2
05	Jaervamaa	-	-	-	-	-	-	0	1	-	-	-	1	2	-	2
06	Laehenemaa	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
07	Laesene-Virumaa	1	-	1	-	-	-	2	1	-	-	-	2	3	-	5
08	Polvamaa	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
09	Paernumaa	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
10	Raplamaa	1	-	-	-	-	-	1	1	-	-	-	-	1	-	2
11	Searemaa	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
12	Tartumaa	-	-	-	-	-	-	0	2	-	-	-	5	7	-	7
14	Viljandimaa	-	-	-	-	-	-	0	6	-	-	-	1	7	-	7
15	Vorumaa	-	-	1	-	-	-	1	3	-	-	-	-	3	-	4
TOTAL		5	2	2	0	0	0	9	23	0	0	0	10	33	0	42
PER CENT		11.9	4.8	4.8	0.0	0.0	0.0	21.4	54.8	0.0	0.0	0.0	23.8	78.6	0.0	100.0
MLD M O L D O V A																
01	MOLDOVA	-	1	-	-	-	-	1	2	-	-	-	-	2	-	3
TOTAL		0	1	0	0	0	0	1	2	0	0	0	0	2	0	3

R A B I E S C A S E S																1. 1.93 - 31. 3.93	
LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL		
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL	
FRA F R A N C E																	
08	ARDENNES	-	-	1	-	-	-	1	2	-	-	-	-	2	3		
10	AUBE	-	-	-	-	-	-	0	2	-	-	-	-	2	2		
25	DOUBS	-	-	-	-	-	-	0	2	-	-	-	-	2	2		
51	MARNE	-	-	-	-	-	-	0	5	-	-	-	-	5	5		
52	MARNE (HAUTE)	1	-	1	-	1	-	3	5	1	-	-	-	6	9		
54	MEURTHE ET MOSELLE	-	1	-	-	-	-	1	7	-	2	-	-	9	10		
55	MEUSE	-	-	2	-	-	-	2	7	-	-	-	-	7	9		
57	MOSELLE	1	-	-	-	-	-	1	-	-	-	-	-	0	1		
67	RHIN (BAS)	1	-	-	-	-	-	1	1	1	-	-	-	2	3		
68	RHIN (HAUT)	-	1	-	-	1	-	2	13	1	-	-	-	14	16		
70	SAONE (HAUTE)	-	-	1	-	2	-	3	12	-	1	-	-	13	16		
88	VOSGES	-	2	1	-	1	-	4	26	-	2	-	-	28	32		
90	TERR.DE BELFORT	-	-	-	-	-	-	0	4	1	-	-	1	6	6		
TOTAL		3	4	6	0	5	0	18	86	4	5	0	1	96	0	114	
PER CENT		2.6	3.5	5.3	0.0	4.4	0.0	15.8	75.4	3.5	4.4	0.0	0.9	84.2	0.0	100.0	
ITA I T A L Y																	
33	UDINE							0	1	-	-	-	-	1		1	
34	TRIESTE E GORIZIA							0	1	-	-	-	-	1		1	
39	BOLZANO							0	4	-	-	-	-	4		4	
TOTAL		0	0	0	0	0	0	0	6	0	0	0	0	6	0	6	

HUN HUNGARY		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	BUDAPEST	-	1	-	-	-	-	1	1	-	-	-	-	1	2	
02	BARANYA	5	3	-	-	2	-	10	29	-	-	-	-	29	39	
03	BACS-KISKUN	1	1	-	-	-	-	2	30	-	-	-	-	30	32	
04	BEKES	-	1	2	-	-	-	3	12	-	-	-	-	12	15	
05	BORSOD-ABAUJ-ZEMPLEN	3	3	2	-	-	-	8	31	-	-	-	1	32	40	
06	CSONGRAD	-	3	-	-	-	-	3	27	-	-	-	-	27	30	
07	FEJER	3	1	4	-	-	1	9	51	-	1	-	-	52	61	
08	GYOER-SOPRON	-	-	-	-	-	-	0	2	-	-	-	-	2	2	
09	HAJDU-BIHAR	3	1	-	-	-	-	4	8	-	-	-	-	8	12	
10	HEVES	-	-	2	-	-	-	2	16	-	-	-	-	16	18	
11	KOMAROM	1	3	-	-	-	-	4	15	-	-	-	-	15	19	
12	NOGRAD	3	-	-	-	-	-	3	9	-	-	-	-	9	12	
13	PEST	1	2	-	-	-	-	3	14	-	-	-	-	14	17	
14	SOMOGY	6	-	-	-	-	-	6	26	-	-	2	-	28	34	
15	SZABOLCS-SZATMAR	-	-	1	-	-	-	1	8	-	-	-	-	8	9	
16	SZOLNOK	2	2	-	-	-	-	4	6	-	-	-	-	6	10	
17	TOLNA	1	3	2	-	1	-	7	26	-	-	-	-	26	33	
18	VAS	-	-	-	-	-	-	0	7	-	-	-	-	7	7	
19	VESZPREM	3	2	1	-	-	-	6	31	-	-	-	-	31	37	
20	ZALA	1	2	1	-	-	-	4	28	-	-	-	-	28	32	
TOTAL		33	28	15	0	3	1	80	377	0	1	2	1	381	0	461
PER CENT		7.2	6.1	3.3	0.0	0.7	0.2	17.4	81.8	0.0	0.2	0.4	0.2	82.6	0.0	100.0

R A B I E S C A S E S															1. 1.93 - 31. 3.93	
LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
LTU L I T H U A N I A																
32	Akmenes	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
34	Anyksciu	1	-	1	-	-	-	2	-	-	-	-	-	0	-	2
41	Vinius	1	1	2	-	-	-	4	1	-	-	-	1	2	-	6
47	Jonisko	-	1	-	-	-	-	1	2	-	-	-	1	3	-	4
55	Klaipedos	-	-	1	-	-	-	1	-	-	-	-	-	0	-	1
65	Pakruojis	1	-	-	-	-	-	1	2	-	-	-	-	2	-	3
66	Panevezio	-	-	1	-	-	-	1	-	-	-	-	1	1	-	2
67	Pasvalio	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
71	Radviliškio	-	1	-	-	-	-	1	-	-	-	-	-	0	-	1
75	Skuodo	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
81	Ukmergis	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
85	Salcininku	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
94	Jurbarko	1	1	1	-	-	-	3	-	-	-	-	-	0	-	3
TOTAL		8	4	6	0	0	0	18	6	0	0	0	3	9	0	27
PER CENT		29.6	14.8	22.2	0.0	0.0	0.0	66.7	22.2	0.0	0.0	0.0	11.1	33.3	0.0	100.0
LVA L A T V I A																
01	Aizkraukle	1	-	-	-	-	-	1	-	-	-	-	1	1	-	2
08	Sulbene	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
12	Kuldiga	1	-	-	-	-	-	1	2	-	-	-	-	2	-	3
13	Liepaja	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
15	Ludza	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
16	Madona	-	-	-	-	-	-	0	-	-	-	-	1	1	-	1
17	Ogre	2	-	-	-	-	-	2	2	-	-	-	1	3	-	5
18	Preiļi	1	-	-	-	-	-	1	-	-	-	-	-	0	-	1
21	Saldus	-	2	1	-	-	-	3	1	-	-	-	-	1	-	4
22	Talsi	1	-	-	-	-	-	1	1	-	-	-	-	1	-	2
23	Tukums	-	1	1	-	-	-	2	1	-	-	-	-	1	-	3
TOTAL		7	3	2	0	0	0	12	9	0	0	0	4	13	0	25
PER CENT		28.0	12.0	8.0	0.0	0.0	0.0	48.0	36.0	0.0	0.0	0.0	16.0	52.0	0.0	100.0

R A B I E S C A S E S																1. 1.93 - 31. 3.93	
LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL		
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL	
NET N E T H E R L A N D S																	
10	ZUID-HOLLAND							0	-	-	-	-	1	1		1	
TOTAL		0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	
SPA S P A I N																	
52	MELILLA (NORTH AFRICA)	3	-	-	-	-	-	3						0		3	
TOTAL		3	0	0	0	0	0	3	0	0	0	0	0	0	0	3	
SWI S W I T Z E R L A N D A N D L I E C H T E N S T E I N																	
01	AARGAU							0	4	-	-	-	-	4		4	
04	BASEL-STADT							0	1	1	-	-	-	2		2	
05	BASEL-LAND	-	-	1	-	-	-	1	2	1	-	-	-	3		4	
06	BERN	-	1	-	-	-	-	1						0		1	
17	SOLOTHURN							0	-	2	-	-	-	2		2	
TOTAL		0	1	1	0	0	0	2	7	4	0	0	0	11	0	13	
PER CENT		0.0	7.7	7.7	0.0	0.0	0.0	15.4	53.8	30.8	0.0	0.0	0.0	84.6	0.0	100.0	

POL POLAND		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	WARSZAWA	4	4	-	-	-	-	8	9	-	2	-	1	12		20
03	BIALA PODLASKA	-	-	-	-	-	-	0	4	-	-	-	1	5		5
05	BIALYSTOK	-	-	6	-	-	-	6	12	-	-	-	3	15		21
07	BIELSKO-BIALA	-	-	-	-	-	-	0	2	-	-	-	-	2		2
09	BYDGOSZCZ	1	1	-	-	-	-	2	20	-	-	1	2	23		25
11	CHELM	-	-	-	-	-	-	0	1	-	-	1	1	3		3
13	CIECHANOW	2	-	-	-	-	-	2	14	-	-	-	-	14		16
15	CZESTOCHOWA	2	-	-	-	-	-	2	7	-	-	-	-	7		9
17	ELBLAG	1	-	2	-	-	-	3	2	1	-	1	2	6		9
19	GDANSK	2	1	3	1	-	-	7	19	-	-	-	3	22		29
21	GORZOW	1	-	1	-	-	-	1	36	-	1	-	3	40		41
23	JELENIA GORA	-	-	-	-	-	-	0	16	-	-	-	-	16		16
25	KALISZ	2	-	1	-	-	-	3	11	-	1	-	-	12		15
27	KATOWICE	-	1	-	-	-	-	1	3	-	1	-	-	4		5
29	KIELCE	1	1	-	-	-	-	2	1	-	-	-	-	1		3
31	KONIN	-	1	-	-	-	-	1	8	-	1	-	-	9		10
33	KOSZALIN	2	1	1	-	-	-	4	39	-	1	8	-	48		52
35	KRAKOW	-	-	-	-	-	-	0	2	-	-	-	-	2		2
37	KROSNO	3	-	-	-	-	-	3	8	-	-	-	-	8		11
39	LEGNICA	1	2	-	-	-	-	2	9	-	-	-	-	9		11
41	LESZNO	1	1	-	-	-	-	1	13	-	-	-	-	13		14
43	LUBLIN	-	-	-	-	-	-	0	8	-	-	-	1	9		9
45	LOMZA	1	1	-	-	-	-	1	17	-	-	-	2	19		20
49	NOWY SACZ	2	-	-	-	-	-	2	11	-	-	-	-	11		13
51	OLSZTYN	2	2	-	1	-	-	5	21	-	-	-	12	33		38
53	OPOLE	1	4	-	-	-	-	4	22	-	1	-	-	23		27

POL CONTINUED

LOCATION CODE NAME	DOMESTIC ANIMALS							WILD ANIMALS					HUMAN CASES	TOTAL	
	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
55 OSTROLEKA	1	2	1	-	-	-	4	12	-	-	-	6	18		22
57 PILA	1	-	-	-	-	-	1	24	-	-	-	2	26		27
59 PIOTRKOW TRYB	1	1	-	-	-	-	2	1	-	-	-	1	1		3
61 PLOCK	-	-	-	-	-	-	0	8	-	-	1	-	9		9
63 POZNAN	1	4	-	-	-	-	5	23	-	1	4	1	29		34
65 PRZEMYSL	-	2	3	-	-	-	5	12	-	-	-	-	12		17
67 RADOM	-	-	-	-	-	-	0	4	-	-	-	-	4		4
69 RZESZOW	1	1	-	-	-	-	2	2	-	1	-	-	3		5
71 SIEDLCE	1	-	-	-	-	-	1	13	-	-	-	2	15		16
73 SIERADZ	-	2	-	-	-	-	2	12	-	-	-	-	12		14
75 SKIERNIEWICE	1	-	-	-	-	1	2	9	-	-	-	-	9		11
77 SLUPSK	1	-	-	-	-	-	1	15	-	-	4	6	25		26
79 SUWALKI	1	1	2	-	-	-	4	2	-	-	-	5	7		11
81 SZCZECIN	1	1	-	-	-	-	2	32	-	1	3	3	39		41
83 TARNOBZEG	-	1	-	-	-	-	1	1	-	1	-	-	2		3
85 TARNOW	-	-	-	-	-	-	0	2	-	-	-	1	3		3
87 TORUN	1	1	-	-	-	-	2	7	-	-	-	2	9		11
89 WALBRZYCH	-	-	-	-	-	-	0	26	-	-	-	-	26		26
91 WLOCLAWEK	-	-	-	-	-	-	0	3	-	-	-	-	3		3
93 WROCLAW	-	2	-	-	-	-	2	33	-	-	-	-	33		35
95 ZAMOSC	-	1	-	-	-	-	1	14	-	-	-	1	15		16
97 ZIELONA GORA	-	6	-	-	-	-	6	29	-	2	2	-	33		39
TOTAL	35	45	20	2	0	1	103	599	1	14	25	60	699	0	802
PER CENT	4.4	5.6	2.5	0.2	0.0	0.1	12.8	74.7	0.1	1.7	3.1	7.5	87.2	0.0	100.0

RABIES CASES																1. 1.93 - 31. 3.93	
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL		
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL	
ROM ROMANIA																	
02	ARAD							0	-	-	-	-	1	1	1		
07	BOTOSANI							0	1	-	-	-	-	1	1		
09	BRAILA	-	1	-	-	-	-	1						0	1		
11	CARAS-SEVERIN	-	-	1	-	-	-	1						0	1		
12	CALARASI	1	-	-	-	-	-	1						0	1		
13	CLUJ	-	1	-	-	-	-	1						0	1		
16	DIMBOVITA	-	-	1	-	-	-	1						0	1		
17	DOLJ							0	1	-	-	-	-	1	1		
20	GORJ							0	5	-	-	-	-	5	5		
22	HUNEDOARA	-	1	-	-	-	-	1						0	1		
24	IASI	-	1	1	-	-	-	2	3	-	-	-	-	3	5		
32	SALAJ	1	-	-	-	-	-	1	1	-	-	-	1	2	3		
TOTAL		2	4	3	0	0	0	9	11	0	0	0	2	13	0	22	
PER CENT		9.1	18.2	13.6	0.0	0.0	0.0	40.9	50.0	0.0	0.0	0.0	9.1	59.1	0.0	100.0	
YUG YUGOSLAVIA																	
61	SAP VOJVODINA	2	5	1	-	-	-	8	32	-	-	-	-	32		40	
TOTAL		2	5	1	0	0	0	8	32	0	0	0	0	32	0	40	
PER CENT		5.0	12.5	2.5	0.0	0.0	0.0	20.0	80.0	0.0	0.0	0.0	0.0	80.0	0.0	100.0	

SVN SLOVENIA		RABIES CASES											1. 1.93 - 31. 3.93			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	AJDOVSCINA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
05	CRNOMELJ	-	1	-	-	-	-	1	-	-	-	-	-	0	-	1
09	GROSUPLJE	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
12	ILIRSKA BISTRICA	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
16	KOCEVJE	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
18	KRANJ	-	-	-	-	-	-	0	5	-	-	-	-	5	-	5
19	KRSKO	-	1	-	-	-	-	1	1	-	-	-	-	1	-	2
22	LEDAVA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
26	LJUBLJANA MOSTE POLJE	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
27	LJUBLJANA SSKA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
28	LJUBLJANA VIC RUDNIK	-	-	-	-	-	-	0	15	-	-	-	-	15	-	15
29	LJUTOMER	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
30	LOGATEC	-	-	-	-	-	-	0	3	-	-	-	-	3	-	3
36	MURSKA SOBOTA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
37	NOVA GORICA	-	-	-	-	-	-	0	5	-	-	-	-	5	-	5
41	POSTOJNA	-	1	-	-	-	-	1	3	-	-	-	-	3	-	4
44	RADOVLJICA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
45	RAVNE NA KOROŠKEM	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
48	SEZANA	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
50	SLOVENSKA BISTRICA	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
51	SLOVENSKE KONJICE	-	-	-	-	-	-	0	1	-	-	-	-	1	-	1
53	SKOFJA LOKA	1	1	-	-	-	-	2	14	-	-	2	-	16	-	18
55	TOLMIN	-	-	-	-	-	-	0	2	-	-	-	-	2	-	2
60	VRHNIKA	1	-	-	-	-	-	1	6	-	-	-	-	6	-	7
TOTAL		2	4	0	0	0	0	6	72	0	0	2	0	74	0	80
PER CENT		2.5	5.0	0.0	0.0	0.0	0.0	7.5	90.0	0.0	0.0	2.5	0.0	92.5	0.0	100.0

1st Quarter: January - March 1993

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Confirmed Rabies Cases for Time period: 01.01.93 - 31.03.93

Country: RUSSIA
(European Part)

Code: RUS

Total number of Administrative Units: 46

Code No. and Name of Administrative Unit	Domestic Animals							Wild Animals					Human Cases	Total Number of Cases	
	Dogs	Cats	Cattle	Horses	Sheep Goats	Others	Total	Foxes	Badgers	other Mustel- ides	Deer	Others			Total
01 Arkhangelsk Reg.	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2
08 Pskov Region	1	0	0	0	0	0	1	1	0	0	0	2	3		4
12 Tver Region	2	0	0	0	0	0	2	0	0	0	0	0	0		2
13 Kaluga Region	0	0	0	0	0	0	0	3	0	0	0	0	3		3
15 Moscow Region	0	0	0	0	0	0	0	1	0	0	0	0	1		1
16 Oryol Region	1	0	1	1	1	0	4	3	0	0	0	0	3		7
19 Tula Region	2	0	0	0	0	0	2	3	0	0	0	0	3		5
26 Belgorod Region	7	3	1	0	1	0	12	4	0	0	0	0	4		16
27 Voronezh Region	2	2	5	0	1	0	10	1	0	0	0	0	1		11
28 Kursk Region	1	1	1	0	0	0	3	1	0	0	0	0	1		4
29 Lipetsk Region	0	0	0	0	0	0	0	1	0	0	0	0	1		1
31 Astrakhan Region	0	2	8	3	1	9	23	1	0	0	0	0	1		24
32 Volgograd Region	0	0	2	0	0	0	2	1	0	0	0	0	1		3
33 Samara Region	1	1	2	0	0	0	4	2	0	0	0	0	2		6
34 Penza Region	3	1	0	0	0	0	4	2	0	0	0	0	2		6
35 Saratov Region	4	3	12	0	0	0	19	1	0	0	0	0	1		20
36 Ulyanovsk Region	0	2	3	0	0	0	5	2	0	0	0	0	2		7
37 Rep. of Kalmykiya	0	0	4	0	0	0	4	0	0	0	0	0	0		4
38 Rep. of Tatarstan	2	2	9	0	1	0	14	6	0	0	0	0	6		20

1st Quarter: January - March 1993

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Confirmed Rabies Cases for Time period: 01.01.93 - 31.03.93

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Country: Russia
(European Part)

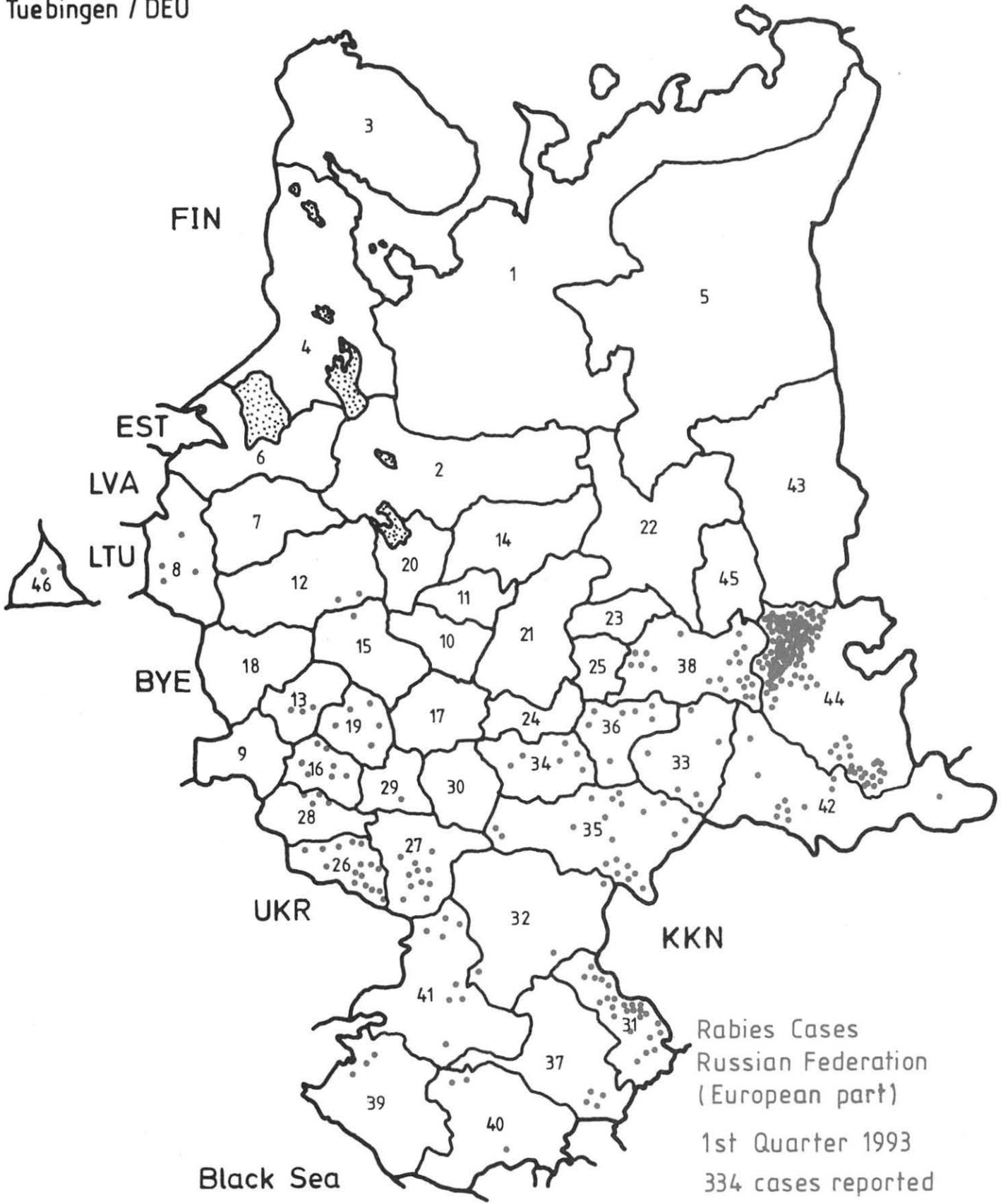
Code: RUS

Total number of Administrative Units: 46

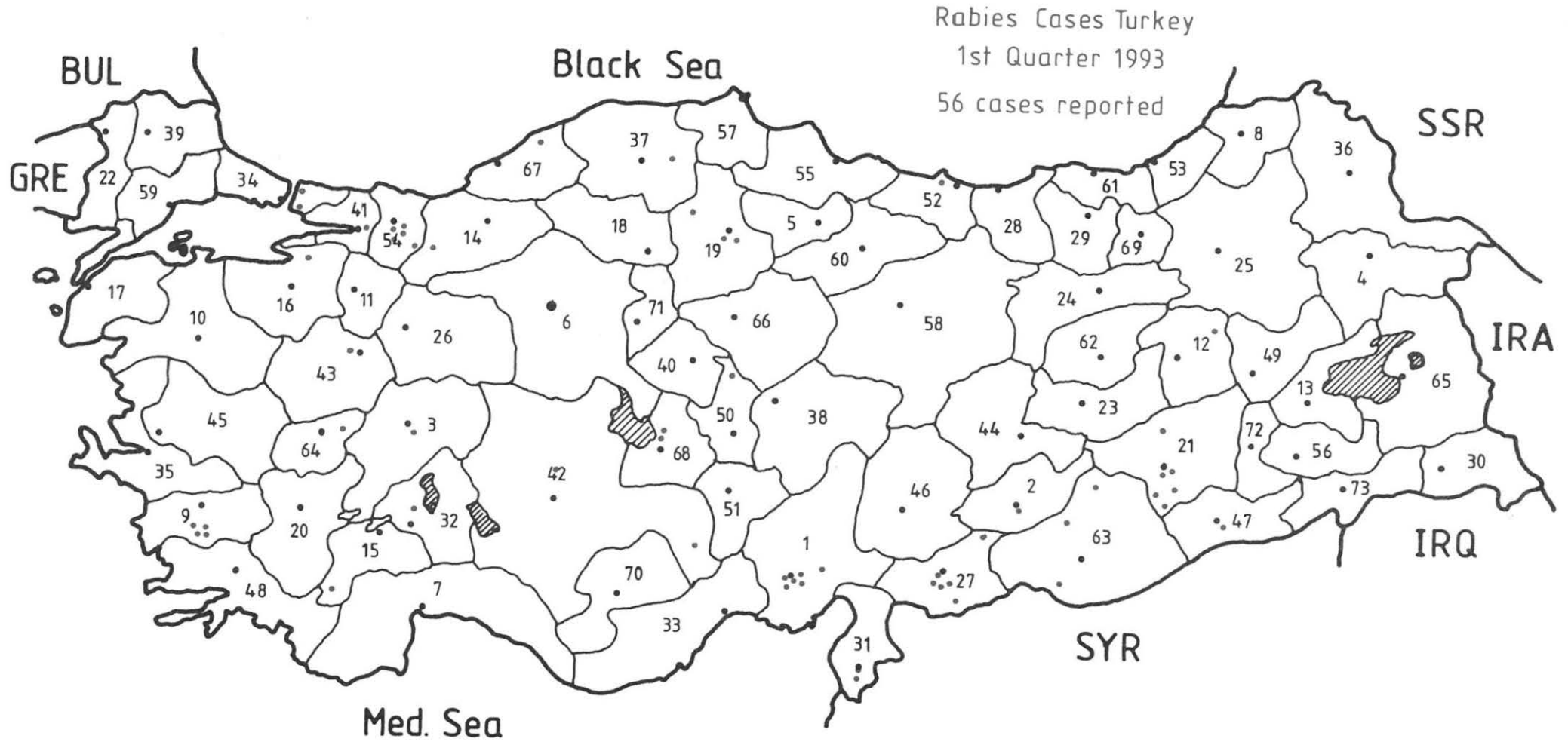
Code No. and Name of Administrative Unit	Domestic Animals							Wild Animals					Human Cases	Total Number of Cases
	Dogs	Cats	Cattle	Horses	Sheep Goats	Others	Total	Foxes	Badgers	other Mustelides	Deer	Others		
39 Krasnodar Ter.	0	0	3	0	0	0	3	0	0	0	0	0	0	3
40 Stavropol Ter.	0	0	3	0	0	0	3	0	0	0	0	0	0	3
41 Rostov Region	0	1	6	0	1	0	8	0	0	0	0	0	0	8
42 Orenburg Region	0	0	5	1	0	0	6	5	0	0	0	0	0	11
44 Rep.of Bashkorto.	20	3	49	12	53	0	137	20	0	0	0	4	24	161
46 Kaliningrad Reg.	2	0	0	0	0	0	2	0	0	0	0	0	0	2
TOTAL	48	21	114	17	59	11	270	58	0	0	0	6	64	334
Per Cent	14.4	6.3	34.1	5.1	17.7	3.3	80.8	17.4	0.0	0.0	0.0	1.8	19.2	100.0

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		Ministère de l'Agriculture					



WHO Coll. Centre
Tuebingen / DEU



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ICE
(rabies free)

Rabies Cases Europe
1st Quarter 1993
2728 cases reported
1 bat rabies case included



0 50 100 km

(rabies free) = no indigenous case reported for at least two years