

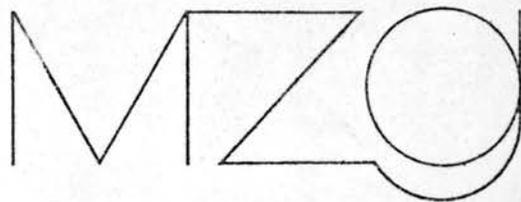


Minnesota State Zoological Board.
Zoo-Related Organizations Files.

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MINNESOTA ZOOLOGICAL GARDEN



February 20, 1976

Mr. John M. Mehrtens, Chairman
AAZPA Wildlife Conservation Committee
Columbia Zoological Park
Columbia, S. C.

Dear John:

Re: Permit to transfer 1/0 Gaur to the cactus ranch, Portales, New Mexico

I have evaluated as best the data will permit the status of Gaur in the United States. The following comments are pertinent to a decision as to whether the male Gaur should be essentially removed from the area of professional zoological collections to a private rancher for breeding purposes.

As I see it, there are two primary issues: (1) the fact that this endangered species is removed from the general gene pool which may have the effect of reducing the potential for long term propagation in this country; (2) that the effect of this might mean added pressure or demands on wild-caught individuals in a replacement sense.

As you know, at one time in this country, we were rather well-fixed with the Gaur and the random pooping away of surplus individuals without any well-thought-out long term control finally resulted in the last old male dying in St. Louis while they were attempting to electro-ejaculate the animal to provide a semen bank. I hope that we are now in a position to prevent this sort of thing happening again.

As we all know, there is the constant problem of excessive numbers of males in any breeding structure which is represented by the Gaur and the trick is to maintain sufficient numbers in breeding populations to maintain genetic variability and not endanger the status of backup studs, while, on the other hand, making available as much space as possible for actively breeding females.

We have for some time been working on some models which would allow better estimations of what actually goes on within a small captive breeding population and until this becomes a reality, the following comments are my best recommendations as to the case in question:

First, as best I know it, List I* below shows the distribution of Gaur in the United States. This includes 34 animals currently 16 males and 15 females being captive born and 3 females being wild-caught.

List II** shows the age class distribution for all of these animals.

In an historical sense, after the absence of Gaur in this country for a number of years, the Oklahoma City Zoo obtained 1/1 wild-caught specimens in 1964. The original pair are still producing and 15 of the 29 animals born in this country currently existing have been sired by the original Oklahoma City male.

In 1965, Omaha imported 1/1 wild caught animals. This original male has sired 9 of the existing 29 animals born in this country. (He has this year died). In addition, the Brownsville Zoo imported 2 captive-born animals from East Berlin in 1971, and this male has sired 3 of the 29 animals currently existing, born in this country. In addition, an Oklahoma City male offspring has sired 2 young at San Pasqual.

In 1970, an East Berlin female import at Oklahoma City occurred and at least one of her offspring exists among the 29 noted above.

In a brief summary, it would appear that 4 males and 10 females have produced 29 still living animals currently. In essence, the bulk of this group has been the result of an excellent breeding program beginning with 2 original animals at the Oklahoma City Zoo, and, secondarily, beginning with 2 animals at the Omaha Zoo.

Quite obviously, the crux of the matter is our ability to retain collective control of this group to insure optimum future breeding programs with reduced inbreeding and with an eye toward maintaining appropriate age classes for long-term productivity.

In a broad analysis, in short, the Omaha animals represent a separate breeding line which has had limited back-crosses, and no transfer to other zoos. The same holds true for Brownsville group.

Breeding groups at San Pasqual, San Diego, St. Louis, and Los Angeles are all the result of animals coming from the breeding herd at Oklahoma City.

Transfer of the animal in question to a private individual whose apparent primary purpose is to utilize the animal in hybridization programs with cattle simply means that without appropriate control we might consider the animal lost to the more traditional captive gene pools amongst institutions who are dedicated to the simple reproduction of endangered species.

Also, understanding that the surplus male problem does exist, the question would be the selection of that animal which would have the least value to the long term captive gene pool. If that animal is a result of a father-daughter cross or a father-granddaughter cross, etc., and not the result of two outbred lines, perhaps the move would be justified. If it could not be used at some other institution to better reduce the inbreeding co-efficients, a quick analysis of the entire situation would suggest that the animal in question is probably the offspring of the wild-caught male and one of his daughters and that among the existing breeding groups in the country, the moving of this animal into those groups would not benefit the captive gene pool.

If, in fact, this is the case with the Oklahoma City male, and, secondly, if Oklahoma City can retain some sort of option which would allow the recovering of this male into a captive breeding pool if needed, I feel that this transfer should be approved.

One other off the cuff observation - apparently in wild Gaur populations there have been some serious problems resulting in die-offs through the transmission of disease carried by domestic cattle wandering in the same forest. This possibly raises the question of susceptibility to disease by the wild Gaur as transmitted from domestic cattle.

Another observation which the applicant notes is that he has never lost any of his buffalo or buffalo-crosses from disease or mishandling in 30 years. This seems to be a rather strong statement. I would consider it rather a miracle for this to be absolutely true.

I believe this information to be reasonably accurate and hope that it will be of use in the recommendation process.

Best regards.

Sincerely,



Donald D. Bridgwater, Member
AAZPA, Wildlife Conservation Committee

DDB vc

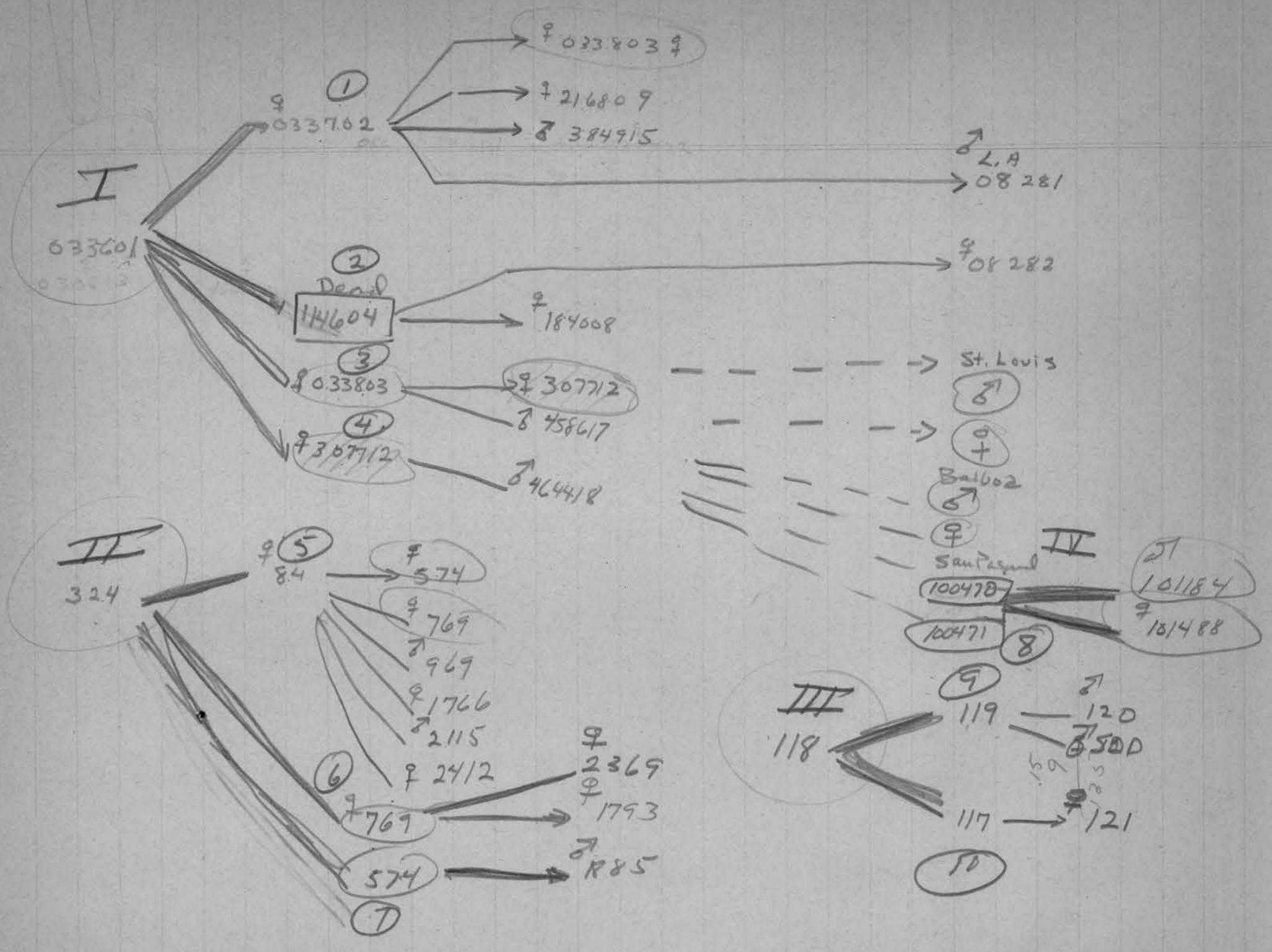
*LIST I

| | | | |
|---------------|-----------|--------------|--|
| San Pasqual | - - - - - | 2.2 | |
| San Diego | - - - - - | 1.1 | |
| Oklahoma City | - - - - - | 4.5 | |
| St. Louis | - - - - - | 1.1 | |
| Omaha | - - - - - | 4.6 | |
| Los Angeles | - - - - - | 1.1 | |
| Brownsville | - - - - - | 3.2 | |
| | | <u>16.18</u> | (16.15) captive born (0.3) wild caught |

**LIST II

AGE-CLASS DISTRIBUTION

| Class | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Age | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Female | 4 | 1 | 4 | 2 | 2 | 1 | 1 | 1 | | | | 2 |
| Male | 5 | 4 | 2 | | 3 | 1 | | | | | | 1 |
| Total | 9 | 5 | 6 | 2 | 5 | 2 | 1 | 1 | | | | 3 |



Total Gains

2.2 San Pascual
 1.1 San Diego
 4.5 OKC.
 1.1 St. Louis
 4.6 Omaha
 1.1 Los Angeles
 3.2 Brinsville

~~1.1 Metairie~~

16.18, (15.16) (31) (31)
 34

2 whitefly
 2 for 2300

Age Break Down

| | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| ♀ | 4 | 1 | 4 | 2 | 2 | 1 | 1 | 1 | | | | | 2 | |
| ♂ | 5 | 4 | 2 | | 1 | 1 | | | | | 1 | | 1 | |
| Total | 9 | 5 | 6 | 2 | 5 | 2 | 1 | 1 | | | 3 | | 3 | |

11-12 year are wild caught 1.1 Old City
 1.1 Omaha

OKC 1 has died 15 of the 30 29

OMA 324 has died 9 of the 30 29

Brinsville 18 has died 3 of the 30 29

27

OKC 7 has died 2 of the 30 29

2

This year 9 born

5 died

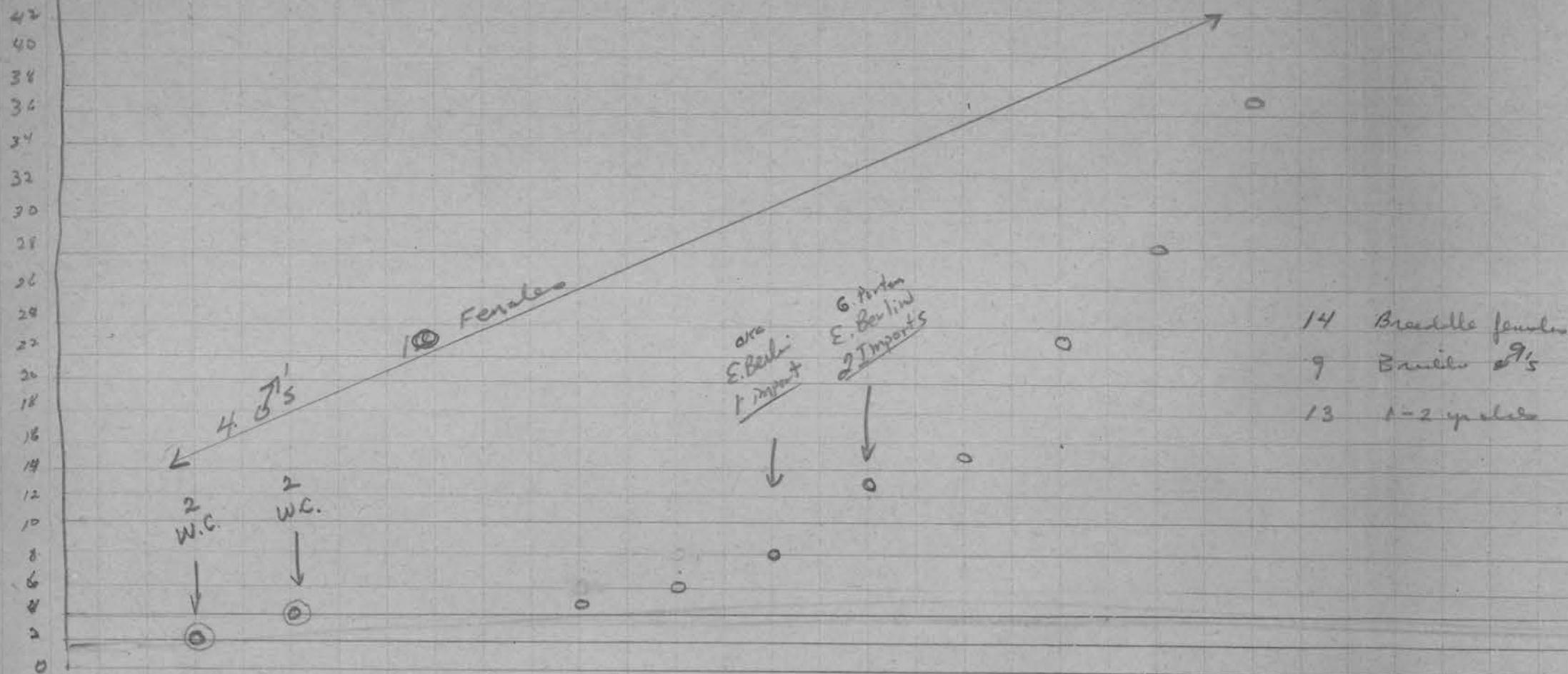
4 autopsies

2 less than 30 days
 3 10-15 yrs

59 (43)

47 (43)

1964 65 66 67 68 69 70 71 72 73 74 75 76



| Stud Rank | San Rafael | ♀ | ♂ | WC | CB | Origin | Age | Site | Dam | Bm | Dist |
|--------------------------|------------|---|---|----|-----|-----------------------|-------|--------|--------|----|------|
| 047 | 100470 | X | | | X | OFC | 5 1/2 | 033601 | 033702 | | (1) |
| 048 | 100471 | | X | | X | OFC Wash - Houston | 4 1/2 | 033601 | 033702 | | |
| | 101124 | X | | | X | S.P | 1 1/2 | 100470 | 100471 | | |
| | 101428 | | X | | X | S.P | 1/2 | 100470 | 100471 | | |
| San Francisco | | 2 | 2 | | (2) | | | | | | |
| San Francisco | | | | | X | | 7 | | | | |
| San Francisco | | | | | X | | 1/2 | | | | |

| Stud Rank | San Diego | ♀ | ♂ | WC | CB | Origin | Age | Site | Dam | Bm | Dist |
|-----------|-----------|-----|---|----|-----|------------------------|-------|--------|--------|----|-------------------------|
| 047 | 173020 | X | | | X | OFC Buck Houston | 4 1/2 | 033601 | 033803 | 3m | 1 1/2 1 1/2 1 1/2 |
| 045 | 173126 | | X | | X | OFC | 3 | 033601 | 033803 | | |
| | | (1) | | | (1) | Leaked | | | | | |

| Stud Rank | Oklahoma City | ♀ | ♂ | WC | CB | Origin | Age | Site | Dam | Bm | Dist | Notes |
|-----------|---------------|---|---|-----|-----|--------|-------|--------|---------------------|---------|------|--------------------------|
| 1 | 033601 | X | | X | | Indis | 12 | | | 3 (0.2) | (1) | 114609 Indis Indis |
| 2 | 033702 | | X | X | | Indis | 12 | | | | | |
| 6 | 033602 | | X | | X | | 7 | 033601 | 033702 | | | |
| 10 | 114008 | | X | | X | | 4 | 033601 | 114609 C. Berlin | | | |
| 11 | 216809 | | X | | X | | 2 1/2 | 033601 | 033702 | | | |
| 13 | 307712 | | X | | X | | 2 1/2 | 033601 | 033702 | | | |
| 17 | 384915 | X | | | X | | 1 1/2 | 033601 | 033702 | | | |
| | 458617 | X | | | X | | 6mo | 033601 | 033803 | | | |
| | 464418 | X | | | X | | 6mo | 033601 | 307712 | | | |
| | | 4 | 5 | (1) | (1) | | | | | | | |
| | | 7 | 6 | 2 | 7 | | | | | | | |

| Stud Rank | St Louis | ♀ | ♂ | WC | CB | Origin | Age | Site | Dam | Bm | Dist | Notes |
|-----------|----------|---|---|----|-----|---------------|-------|--------|-------------------|----|------|-------|
| | 033602 | X | | | X | OFC Leaked | 2 1/2 | 033601 | 033702 | 5m | 1.1 | 1.1 |
| | 033601 | | X | | X | OFC Leaked | 2 1/2 | 033601 | 114609 (accident) | 5m | 1.1 | 1.1 |
| | | 1 | 1 | | (1) | | | | | | | |

| Stud Rank | Omaha | ♀ | ♂ | WC | CB | Origin | Age | Site | Dam | Bm | Dist | Notes |
|-----------|-------|---|---|-----------|-----|---------------|-------|--------|--------|--------------------------|--|-------|
| 309 | | X | | X (Indis) | | Indis | 11 | | | 17 1 (309) 1 (309) | (1) (Indis) (1) (Indis) one of these | |
| 84 | | X | | X (Indis) | | Indis | 12 | | | | | |
| 574 (w) | | X | | | X | | 7 1/2 | 324 | 84 | | | |
| 769 | | X | | | X | | 6 | 324 | 84 | | | |
| 969 | | X | | | X | | 5 | 324 | 84 | | | |
| 1766 | | X | | | X | | 2 1/2 | 324 | 84 | | | |
| 1793 | | X | | | X | | 2 1/2 | 324 | 769 | | | |
| 1885 | | X | | | X | | 2 | 324 | 574 | | | |
| 2115 | | X | | | X | | 1 1/2 | 324 | 84 | | | |
| 2309 | | X | | | X | | 1/2 | 324 | 769 | | | |
| 2472 | | X | | | X | | 2mo | 324 | 84 | | | |
| Las Vegas | | 4 | 6 | | | | | | | | | |
| 0416 | 08261 | X | | | X | (from) OFC | 1 1/2 | 033601 | 033702 | | | |
| | 08282 | | X | | X | (from) OFC | 1 yr | 033601 | 114609 | | | |
| | | 1 | 1 | | (1) | | | | | | | |

| Gladys Porter | | ♂ | ♀ | WC | CB | Origin | Age | Sire | Dam | Died | Born |
|---------------|------|------|------------------|--------|----|---------------------------|-------|------|-----|------|---|
| | | | | | | | | | | (1) | (1) |
| 118 | (71) | X | | | X | ^{F2} E Berlin | 5 | | | 117 | 7 yr old female with crypt degeneration disease |
| 119 | (71) | | X | | X | ^{F2} E Berlin | 5 | | | | |
| 120 | | X | | | X | GP | 1 | 118 | 119 | | |
| 121 | | | X (1/2 w. stock) | | X | GP | 1 1/2 | 118 | 117 | | |
| 500 | | X | | | X | GP | 1/2 | 118 | 119 | | |
| | | 3, 2 | | (3, 2) | | | | | | | |

Metro Trinto

| | | | | | | |
|------|---|---|--|---|----------|---|
| 2026 | X | | | X | E Berlin | 3 |
| 2027 | | X | | X | E Berlin | 3 |

1, 1 (1, 1)

OKLAHOMA CITY ZOO
Rt. 1, Box 1
Oklahoma City, OK 73111
Tel 405/424-3344 Cable OKCZOO

*File
- Gaur*

Don



OKLAHOMA CITY ZOOLOGICAL TRUST

April 21, 1976

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Assistant Executive
Director

Lewis Turner
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Nick Eberhardt
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Don Baker
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John Snelling
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Bedford Vestal, Ph.D.
Research Curator

Norma Vincent
Public Information/
Publications Curator

Ms. Linda Murtfeldt
Systems Manager
I.S.I.S.
Minnesota Zoological Garden
Wentworth Office Center
33 East Wentworth Avenue
West Saint Paul, Minnesota 55118

Dear Linda:

Enclosed is an update of the Oklahoma City Zoo gaur history. I recently received the missing studbook data from Hans Frädriich. He stated the gaur studbook should be printed in the near future in "Der Zoologische Garten" and that he will send me a copy. As soon as I receive it, I'll get a copy off to you.

Sincerely,

Victor L. Camp
Zoological Curator

mW

Att: Gaur History



GAUR (Bos gaurus) HISTORY AT
THE OKLAHOMA CITY ZOO

21 April 1976
Victor L. Camp
Zoological Curator
Oklahoma City Zoo
As of 31 Dec 75

| OKC NO. | STUDBOOK NO./NAME | SEX | DATE/PLACE OF BIRTH | MOTHER | FATHER | DISPOSITION |
|---------|-------------------|-----|--|----------|---------|---|
| 0336-01 | 10/OKC1 | M | ⁺ 1963/Wildborn, near Mysore, India | Unknown | Unknown | Still in collection |
| 0337-02 | 11/OKC2 | F | " | " | " | " |
| 0338-03 | 48/OKC6 | F | 1 May 69/OKC | 11/OKC2 | 10/OKC1 | " |
| 1146-04 | 24/BE9 | F | 15 Mar 68/Berlin | 2/BE2 | 1BE1 | died: 2 June 75 - Trauma from barn mates |
| 1269-05 | 49/OKC7 | M | 14 June 70/OKC | 11/OKC2 | 10/OKC1 | Sold: 22 Dec 70 - San Diego Zoo |
| 1607-06 | 50/OKC8 | F | 16 June 71/OKC | 11/OKC2 | " | Sold: 15 Nov 71 - Buschgardens, Houston, Texas |
| 1626-07 | 51/OK9 | M | 1 July 71/OKC | 48/OKC6 | " | Sold: 15 Nov 71 " |
| 1840-08 | 52/OKC10 | F | 12 Jan 72/OKC | 24/BE9 | " | Still in collection |
| 2168-09 | 72/OKC11 | F | 7 Jul 72/OKC | 11/OKC2 | " | " |
| 2169-10 | 76/OKC15 | F | 6 Aug 72/OKC | 48/OKC6 | " | Sold: 14 May 73 - Vivo Animales, Lorena, Texas (at San Diego Zoo) |
| 2709-11 | 73/OKC12 | F | 22 Mar 73/OKC | 24/BE9 | " | Sold: 17 Dec 73 - St. Louis Zoo |
| 3077-12 | 74/OKC13 | F | 18 July 73/OKC | 48/OKC6 | " | Still in collection |
| 3144-13 | 75/OKC14 | M | 1 Aug 73/OKC | 11/OKC2 | " | Sold: 17 Dec 73 - St. Louis Zoo |
| No# | 47/OKC5 | M | 22 Jul 66/OKC | 11/OKC2 | " | Sold: 23 Apr 68 - Alberta Game Farm (Died at A.G.F.) |
| No# | 18/OKC4 | M | 17 Feb 68/OKC | 11/OKC2 | " | Sold: 9 Dec 68 - San Diego Zoo |
| 3556 | - | ? | 10 Mar 74/OKC | 24/BE9 | " | Stillborn: 10 Mar 74 |
| 3843-14 | 77/OKC16 | M | 18 June 74/OKC | 11/OKC2 | " | Sold: 23 Oct 75 - Los Angeles Zoo |
| 3849-15 | 78/OKC17 | M | 20 June 74/OKC | 52/OKC10 | " | Sold: 12 Jan 76 - Overton Park Zoo |

GAUR (Bos gaurus) HISTORY AT
THE OKLAHOMA CITY ZOO

| OKC NO. | STUDBOOK NO./NAME | SEX | DATE/PLACE OF BIRTH | MOTHER | FATHER | DISPOSITION |
|---------|-------------------|-----|---------------------|----------|---------|---|
| 3932 | 96/OKC19 | M | 16 Jul 74/OKC | 48/OKC6 | 10/OKC1 | Died 20 Jul 74 - Unknown causes |
| 4331-16 | 89/OKC18 | F | 31 Jan 75/OKC | 24/BE9 | " | Sold: 23 Oct 75 - Los Angeles Zoo |
| 4536 | 97/OKC20 | F | 28 May 75/OKC | 11/OKC2 | " | Died: 17 June 75 - Aspiration Pneumonia |
| 4586-17 | 98/OKC21 | M | 7 Jun 75/OKC | 48/OKC6 | " | Still in collection |
| 4606 | 99/OKC22 | M | 13 Jun 75/OKC | 52/OKC10 | " | Died: 2 July 75 - Enteritis |
| 4644-18 | 100/OKC23 | M | 23 Jun 75/OKC | 74/OKC13 | " | Still in collection |

Therefore, pursuant to the regulations contained in 43 CFR 2350, such lands at 10 a.m. on May 19, 1976, will be relieved of the segregative effect of the above-mentioned applications.

WALTER F. HOLMES,
Chief, Branch of Lands
and Minerals Operations.

[FR Doc.76-11261 Filed 4-19-76;8:45 am]

[CA 3346]

CALIFORNIA

Proposed Withdrawal and Reservation of Minerals

APRIL 9, 1976.

The Fish and Wildlife Service, U.S. Department of the Interior, State Office, E-2841 Federal Office Building, 2800 Cottage Way, Sacramento, California 95825, has filed application CA 3346 to withdraw and reserve from all forms of appropriation under the mineral leasing laws, subject to valid existing rights, the reserved mineral estate in the acquired lands described below.

The applicant desires the land to be set aside as a part of the Hopper Mountain National Wildlife Refuge system for the protection of the endangered California Condor which now number between 50 and 60 birds, with the majority of their nesting occurring within the sanctuary.

All persons who wish to submit comments, suggestions, or objections in connection with the proposed withdrawal, may present their views in writing, on or before May 19, 1976 to the undersigned officer of the Bureau of Land Management, U.S. Department of the Interior, Room E-2841 Federal Building, 2800 Cottage Way, Sacramento, California 95825.

The Department's regulations (43 CFR 2351.4(c)) provide that the authorized officer of the Bureau of Land Management will undertake such investigations as are necessary to determine the existing and potential demand for these resources.

The authorized officer will also prepare a report for consideration by the Secretary of the Interior who will determine whether or not the minerals will be withdrawn as requested.

The determination of the Secretary of the Interior on the application will be published in the FEDERAL REGISTER. A separate notice will be sent to each interested party of record.

If circumstances warrant, a public hearing will be held at a convenient time and place which will be announced.

SAN BERNARDINO MERIDIAN

HOPPER MOUNTAIN NATIONAL WILDLIFE REFUGE

T. 4 N., R. 19 W.,

Sec. 2, lot 2, E½ lot 7, SE¼.

The area described aggregates 231.24 acres in Ventura County, California.

WALTER F. HOLMES,
Chief, Branch of Lands
and Minerals Operations.

[FR Doc.76-11302 Filed 4-19-76;8:45 am]

CALIFORNIA

Termination of Proposed Withdrawal and Reservation of Land

APRIL 9, 1976.

Notice of Forest Service, U.S. Department of Agriculture, State Office, E-2841 Federal Office Building, 2800 Cottage Way, Sacramento, California 95825, application R 1370 for withdrawal and reservation of land for an administrative site and picnic area was published as F.R. Doc. No. 63-5260 on page 6746 of the issue for May 2, 1968. The applicant agency has cancelled its application.

SAN BERNARDINO MERIDIAN, CALIFORNIA
SMARTS RANCH ADMINISTRATIVE SITE AND PICNIC AREA

T. 2 N., R. 2 E.,
Sec. 3, Lots 3, 4, and 5, SW¼NW¼.

Excepting therefrom portions thereof described as follows:

Beginning at the southwest corner of the northwest quarter of said Sec. 3, thence N. 51°18' E., 2,533 feet to the true point of beginning; thence from said true point of beginning N. 24°00' E., 223.4 feet; thence S. 86°42' E., 195 feet; thence S. 24°00' W., 223.4 feet; thence N. 86°42' W., 195 feet to the point of beginning;

Beginning at the southwest corner of the northwest quarter of said Sec. 3; thence N. 51°18' E., 2,533 feet to a point; thence N. 86°42' W., 139 feet to a point; thence S. 3°18' W., 134 feet to a point; thence S. 5°33' E., 198 feet to the true point of beginning; thence from said point of beginning S. 29°17' W., 171.8 feet; thence S. 79°17' W., 253.5 feet; thence N. 29°17' E., 171.8 feet; thence N. 79°17' E., 253.5 feet to the point of beginning.

Any portion of the property described above included within the boundaries of Lot 38-B as shown on township plat in the Bureau of Land Management at Washington, D.C.

Therefore, pursuant to the regulations contained in 43 CFR 2350, such lands at 10 a.m. on May 19, 1976, will be relieved of the segregative effect of the above-mentioned application.

WALTER F. HOLMES,
Chief, Branch of Lands
and Minerals Operations.

[FR Doc.76-11303 Filed 4-19-76;8:45 am]

[NM 27847]

NEW MEXICO

Notice of Application

APRIL 12, 1976.

Notice is hereby given that, pursuant to Section 28 of the Mineral Leasing Act of 1920 (30 U.S.C. 185), as amended by the Act of November 16, 1973 (87 Stat. 576), Llano, Inc., has applied for one 4-inch natural gas pipeline right-of-way across the following land:

NEW MEXICO PRINCIPAL MERIDIAN,
NEW MEXICO

T. 21 S., R. 27 E.,
Sec. 3, S½SW¼;
Sec. 4, S½SE¼;
Sec. 9, W½NE¼.

across 1,328 miles of national resource land in Eddy County, New Mexico.

The purpose of this notice is to inform the public that the Bureau will be proceeding with consideration of whether the application should be approved, and if so, under what terms and conditions.

Interested persons desiring to express their views should promptly send their name and address to the District Manager, Bureau of Land Management, P.O. Box 1397, Roswell, New Mexico 88201.

FRED E. PADILLA,
Chief, Branch of Lands
and Minerals Operations.

[FR Doc.76-11304 Filed 4-19-76;8:45 am]

[Wyoming 40454]

WYOMING

Notice of Application

APRIL 12, 1976.

Notice is hereby given that, pursuant to Section 23 of the Mineral Leasing Act of 1920, as amended (30 U.S.C. 185), Northwest Pipeline Corporation has applied for a natural gas pipeline and separator site right-of-way across the following lands:

SIXTH PRINCIPAL MERIDIAN, WYOMING

T. 16 N., R. 92 W.

T. 16 N., R. 93 W.

The pipeline will be an addition to the existing Barrel Springs Gathering System in Carbon County, Wyoming.

The purpose of this notice is to inform the public that the Bureau will be proceeding with consideration of whether the application should be approved and, if so, under what terms and conditions.

Interested persons desiring to express their views should send their name and address to the District Manager, Bureau of Land Management, P.O. Box 670, Rawlins, WY 82301.

GLENNA M. LANE,
Acting Chief, Branch of Lands
and Minerals Operations.

[FR Doc.76-11305 Filed 4-19-76;8:45 am]

Fish and Wildlife Service
ENDANGERED SPECIES PERMIT
Notice of Receipt of Application

Notice is hereby given that the following application for a permit is deemed to have been received under section 10 of the Endangered Species Act of 1973 (P.L. 93-205).

Applicant: Art Jones, 1530 South Avenue E., Portales, New Mexico 88130, Cactus Ranch.

JANUARY 21, 1976.

DIRECTOR,
U.S. Fish and Wildlife Service, P.O. Box 19183, Washington, D.C. 20036
(Attention: Permit Office, File No. FRT8-405).

DEAR SIR: I wish to add this letter to my original application for a young guar bull.

I am very interested in starting a herd of guar cattle and am, therefore, writing different zoos trying to obtain some females to go with this bull. I really feel like, since

these are an endangered species, it would be best for me to go ahead and develop a fair sized guar herd before I start crossing them with my cattle.

I feel like I know enough about animals, both wild and domestic, that I can be suc-

cessful with this endeavor and that it will benefit both myself and the U.S. Fish and Wildlife Service. Any help you can give me will be greatly appreciated.

Sincerely,

ART JONES.

DWR NO. 42-11670

| DEPARTMENT OF THE INTERIOR U.S. FISH AND WILDLIFE SERVICE FEDERAL FISH AND WILDLIFE LICENSE/PERMIT APPLICATION | | 1. APPLICATION FOR (Indicate only one) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|--|-------------------------------|-------------------------------|------------------------------|--------|--------|--|--|--|--|------|-----|---------------|--|------------|--|------------|--|--------------|--|-------|--|------|--|-----------------------------|--|------------------------|--|--|--|--------------|--|-------------|--|--|--|------------|--|--|--|--|--|----------|--|--|--|--|--|--|--|
|  | | <input type="checkbox"/> IMPORT OR EXPORT LICENSE <input checked="" type="checkbox"/> PERMIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2. BRIEF DESCRIPTION OF ACTIVITY FOR WHICH REQUESTED LICENSE OR PERMIT IS NEEDED. Transfer one male gaur in interstate commerce in the course of a commercial activity for breeding in captivity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. APPLICANT, (Name, complete address and phone number of individual, business, agency, or institution for which permit is requested) Art Jones Cactus Ranch 1530 South Avenue E Portales, New Mexico 88130 505-356-8019 | | 5. IF "APPLICANT" IS A BUSINESS, CORPORATION, PUBLIC AGENCY, OR INSTITUTION, COMPLETE THE FOLLOWING: EXPLAIN TYPE OR KIND OF BUSINESS, AGENCY, OR INSTITUTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. IF "APPLICANT" IS AN INDIVIDUAL, COMPLETE THE FOLLOWING: <table border="1"> <tr> <td><input checked="" type="checkbox"/> MR.</td> <td><input type="checkbox"/> MRS.</td> <td><input type="checkbox"/> MISS</td> <td><input type="checkbox"/> MS.</td> <td>HEIGHT</td> <td>WEIGHT</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>5'7"</td> <td>165</td> </tr> <tr> <td colspan="2">DATE OF BIRTH</td> <td colspan="2">COLOR HAIR</td> <td colspan="2">COLOR EYES</td> </tr> <tr> <td colspan="2">May 14, 1915</td> <td colspan="2">brown</td> <td colspan="2">blue</td> </tr> <tr> <td colspan="2">PHONE NUMBER WHERE EMPLOYED</td> <td colspan="2">SOCIAL SECURITY NUMBER</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">505-356-8019</td> <td colspan="2">525-28-2840</td> <td colspan="2"></td> </tr> <tr> <td colspan="6">OCCUPATION</td> </tr> <tr> <td colspan="6">ranching</td> </tr> </table> | | <input checked="" type="checkbox"/> MR. | <input type="checkbox"/> MRS. | <input type="checkbox"/> MISS | <input type="checkbox"/> MS. | HEIGHT | WEIGHT | | | | | 5'7" | 165 | DATE OF BIRTH | | COLOR HAIR | | COLOR EYES | | May 14, 1915 | | brown | | blue | | PHONE NUMBER WHERE EMPLOYED | | SOCIAL SECURITY NUMBER | | | | 505-356-8019 | | 525-28-2840 | | | | OCCUPATION | | | | | | ranching | | | | | | 6. IF "APPLICANT" IS A CORPORATION, INDICATE STATE IN WHICH INCORPORATED | |
| <input checked="" type="checkbox"/> MR. | <input type="checkbox"/> MRS. | <input type="checkbox"/> MISS | <input type="checkbox"/> MS. | HEIGHT | WEIGHT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 5'7" | 165 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE OF BIRTH | | COLOR HAIR | | COLOR EYES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| May 14, 1915 | | brown | | blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHONE NUMBER WHERE EMPLOYED | | SOCIAL SECURITY NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 505-356-8019 | | 525-28-2840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCCUPATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ranching | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANY BUSINESS, AGENCY, OR INSTITUTIONAL AFFILIATION HAVING TO DO WITH THE WILDLIFE TO BE COVERED BY THIS LICENSE, PERMIT | | NAME, TITLE, AND PHONE NUMBER OF PRESIDENT, PRINCIPAL OFFICER, DIRECTOR, ETC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. LOCATION WHERE PROPOSED ACTIVITY IS TO BE CONDUCTED Cactus Ranch, approx. 7 miles southeast of Portales, New Mex. (shipment from Oklahoma City Zoo to Cactus Ranch, Portales, N.M.) | | 7. DO YOU HOLD ANY CURRENTLY VALID FEDERAL FISH AND WILDLIFE LICENSE OR PERMIT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, list license or permit numbers) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. CERTIFIED CHECK OR MONEY ORDER (if applicable) PAYABLE TO THE U.S. FISH AND WILDLIFE SERVICE ENCLOSED IN AMOUNT OF 50.00 | | 10. DESIRED EFFECTIVE DATE Nov. 15, '75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. DURATION NEEDED Jan. 1, 1976 | | 8. IF REQUIRED BY ANY STATE OR FOREIGN GOVERNMENT, DO YOU HAVE THEIR APPROVAL TO CONDUCT THE ACTIVITY YOU PROPOSED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, list jurisdictions and type of documents) not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. ATTACHMENTS. THE SPECIFIC INFORMATION REQUIRED FOR THE TYPE OF LICENSE/PERMIT REQUESTED AND 50 CFR 13.13(b) MUST BE ATTACHED. IT CONSTITUTES AN INTEGRAL PART OF THIS APPLICATION. LIST SECTIONS OF 50 CFR UNDER WHICH ATTACHMENTS ARE PROVIDED. attachments included | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CERTIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I HEREBY CERTIFY THAT I HAVE READ AND AM FAMILIAR WITH THE REGULATIONS CONTAINED IN TITLE 50, PART 13, OF THE CODE OF FEDERAL REGULATIONS AND THE OTHER APPLICABLE PARTS IN SUBCHAPTER B OF CHAPTER I OF TITLE 50, AND I FURTHER CERTIFY THAT THE INFORMATION SUBMITTED IN THIS APPLICATION FOR A LICENSE/PERMIT IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I UNDERSTAND THAT ANY FALSE STATEMENT HEREIN MAY SUBJECT ME TO THE CRIMINAL PENALTIES OF 18 U.S.C. 1001. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE (In ink) | | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Art Jones</i> | | 22 Oct 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DIRECTOR,
Bureau of Sport Fisheries and Wildlife, U.S.
Department of the Interior, Washington,
D.C. 20240.

October 22, 1975.

DEAR SIR: Please consider this my application to purchase an endangered species of animal from the Oklahoma City Zoo and transfer it to my property located at Cactus Ranch, Portales, New Mexico. In compliance with 50 C.F.R. 13 Subpart "B" 12.12 the following information is provided:

1. Art Jones, 1530 South Avenue E, Portales, New Mexico, 88130, 505-356-8019.
2. Born May 14, 1915, weight 165 pounds, height 5'7", blue eyes, male. Business is ranching.
3. Not applicable.
4. The animal will be trucked by livestock trailer from the Oklahoma City Zoo, Okla-

homa City, Oklahoma, to the Cactus Ranch, located approximately 8 miles from Portales, New Mexico.

5. The acquisition of this animal is justified on the following basis:

- (1) Animal will be used in a cross-breeding program with domestic stock, resulting in exposure of this male to regular sexual activity. Should he be needed in breeding programs in the future with Zoo gaur, a proven breeding record will be of considerable value.
- (2) To determine feasibility of artificial insemination procedures and investigate the potential for gaur semen bank.
- (3) As a relict specimen.
- (4) In the future I may acquire a female gaur in order to breed this rare and endangered species. The long term

goal is to be able to offer gaur to other institutions in the United States.

(5) Animal will be kept on approximately 1,000 acres of grass land, with suitable barns, storage facilities, corals, windmills, etc.

(6) I have been handling buffalo and buffalo crosses for approximately thirty years. During this time I have never lost any of these, either to disease or mis-handling.

(7) I hereby certify that I have read and am familiar with regulations contained in Title 50, Part 13 of Federal Regulations and the other applicable parts in Chapter B of Chapter I of Title 50, and I further certify that the information submitted in this application for a permit is complete and accurate to the best of my knowledge and belief. I understand that any false statement may subject me to the Criminal Penalty of 18 U.S.C. 1001.

Sincerely,

ART JONES.

DIRECTOR,
Bureau of Sport Fisheries and Wildlife
Service, Department of the Interior,
Washington, D.C. 20249.

OCTOBER 27, 1975.

DEAR SIR: We recently transacted to sell a male gaur born here on 7 June 1975 to Mr. Art Jones, Cactus Ranch in Portales, New Mexico. This transaction was made with the full knowledge that this male would be used in a cross-breeding program and be worked with in relation to an artificial insemination project and, also, held as a relict specimen. We have attempted to place this animal through personal contact with other zoos that have proper facilities and have offered him in the AAZPA Newsletter without success. Mr. Jones has a proven track record in animal husbandry and management. He has developed a new breed of cattle which may revolutionize protein production in inhospitable environments. To my knowledge, he has never allowed sport or trophy hunting for his exotic stock, but has a dedicated interest in conservation of the vanishing species of the world and enjoys seeing these animals thrive on his land.

In summary, the Oklahoma City Zoo has an obvious investment in this animal. We support the justification Mr. Jones has given us for transfer of the animal to Cactus Ranch. Quite honestly, we can think of no better situation for the animal and the mutual interests of Mr. Jones, Oklahoma City Zoo and wildlife conservation will benefit from this transaction.

Sincerely,

LAWRENCE CURTIS,
Director.

Documents and other information submitted in connection with this application are available for public inspection during normal business hours at the Service's office in Suite 600, 1612 K Street, N.W., Washington, D.C.

Interested persons may comment on this application by submitting written

February 20, 1976

Mr. John M. Mehrtens, Chairman
AAZPA Wildlife Conservation Committee
Columbia Zoological Park
Columbia, S. C.

Dear John:

Re: Permit to transfer 1/0 Gaur to the cactus ranch, Portales, New Mexico

I have evaluated as best the data will permit the status of Gaur in the United States. The following comments are pertinent to a decision as to whether the male Gaur should be essentially removed from the area of professional zoological collections to a private rancher for breeding purposes.

As I see it, there are two primary issues: (1) the fact that this endangered species is removed from the general gene pool which may have the effect of reducing the potential for long term propagation in this country; (2) that the effect of this might mean added pressure or demands on wild-caught individuals in a replacement sense.

As you know, at one time in this country, we were rather well-fixed with the Gaur and the random pooping away of surplus individuals without any well-thought-out long term control finally resulted in the last old male dying in St. Louis while they were attempting to electro-ejaculate the animal to provide a semen bank. I hope that we are now in a position to prevent this sort of thing happening again.

As we all know, there is the constant problem of excessive numbers of males in any breeding structure which is represented by the Gaur and the trick is to maintain sufficient numbers of breeding populations to maintain genetic variability and not endanger the status of backup studs, while, on the other hand, making available as much space as possible for actively breeding females.

We have for some time been working on some models which would allow better estimations of what actually goes on within a small captive breeding population and until this becomes a reality, the following comments are my best recommendations as to the case in question:

First, as best I know it, list I below shows the distribution of Gaur in the United States. This includes 34 animals currently 16 males and 15 females being captive born and 3 females being wild-caught.

List II shows the age class distribution for all of these animals.

In an historical sense, after the absence of Gaur in this country for a number of years, the Oklahoma City Zoo obtained 1/1 wild-caught specimens in 1964. The original pair are still producing and 15 of the 29 animals born in this country currently existing have been sired by the original Oklahoma City male.

7 1/2 + 1/1 at Alberto's gametoph
11 In 1965, Omaha imported 1/1 wild caught animals. This original male has sired 9 of the existing 29 animals born in this country. (He has this year died). In addition, the Brownsville Zoo imported 2 captive-born animals from East Berlin in 1971, and this male has sired 3 of the 29 animals currently existing, born in this country. In addition, an Oklahoma City male offspring has sired 2 young at San Pasqual.

In 1970, an East Berlin female import at Oklahoma City occurred and at least one of her offspring exists among the 29 noted above.

31 In a brief summary, it would appear that 4 males and 10 females have produced 29 still living animals currently. In essence, the bulk of this group has been the result of an excellent breeding program beginning with 2 original animals at the Oklahoma City Zoo, and, secondarily, beginning with 2 animals at the Omaha Zoo.

Quite obviously, the crux of the matter is our ability to retain collective control of this group to insure optimum future breeding programs with reduced inbreeding and with an eye toward maintaining appropriate age classes for long-term productivity.

In a broad analysis, in short, the Omaha animals represent a separate breeding line which has had limited back-crosses, and no transfer to other zoos. The same holds true for Brownsville group.

Breeding groups at San Pasqual, San Diego, St. Louis, and Los Angeles are all the result of animals coming from the breeding herd at Oklahoma City.

Transfer of the animal in question to a private individual whose apparent primary purpose is to utilize the animal in hybridization programs with cattle simply means that without appropriate control we might consider the animal lost to the more traditional captive gene pools amongst institutions who are dedicated to the simple reproduction of endangered species.

Also, understanding that the ~~male~~ plus male problem does exist, the question would be the selection of that animal which would have the least value to the long term captive gene pool. If that animal is a result of a father-daughter cross or a father-granddaughter cross, etc., and not the result of two outbred lines, perhaps the move would be justified. If it could not be used at some other institution to better reduce the inbreeding co-efficients, a quick analysis of the entire situation would suggest that the animal in question is probably the offspring of the wild-caught male and one of his daughters and that among the existing breeding groups in the country, the moving of this animal into those groups would not benefit the captive gene pool.

If, in fact, this is the case with the Oklahoma City male, and, secondly, if Oklahoma City can retain some sort of option which would allow the recovering of this male into a captive breeding pool if needed, I feel that this transfer should be approved.

One other off the cuff observation - apparently in wild Gaur populations there have been some serious problems resulting in die-offs through the transmission of disease carried by domestic cattle wandering in the same forest. This possibly raises the question of susceptibility to disease by the wild Gaur as transmitted from domestic cattle.

Another observation which the applicant notes is that he has never lost any of his buffalo or buffalo-crosses from disease or mishandling in 30 years. This seems to be a rather strong statement. I would consider it rather a miracle for this to be absolutely true.

I believe that information to be reasonably accurate and hope that it will be of use in the recommendation process.

Best regards.

Sincerely,

Donald D. Bridgwater, Member
AAZPA, Wildlife Conservation Committee

DDB vc

*LIST I

| | | |
|----------------|-------|----------------------|
| San Pasqual | 2.2 | |
| San Diego | 1.1 | |
| Oklahoma City | 4.5 | |
| St. Louis | 1.1 | |
| Omaha | 4.6 | |
| Los Angeles | 1.1 | |
| Brownsville | 3.2 | |
| | 16.18 | (15.15) captive born |
| <i>alberta</i> | 1.1 | (0.3) wild caught |

**LIST II

AGE-CLASS DISTRIBUTION

| Class | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| Age | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Female | 4 | 1 | 4 | 2 | 2 | 1 | 1 | 1 | | | | 2 |
| Male | 5 | 4 | 2 | | 3 | 1 | | | | | | 1 |
| Total | 9 | 5 | 6 | 2 | 5 | 2 | 1 | 1 | | | | 3 |

MAMMALIA/MAMMALS/

SUMMARY: BISON/BISON/

ACQUIRED:

37 BORN
WILD CAUGHT
WILD FOUND
1 TRADE FROM
30 PURCHASE FROM
2 DONATION FROM
LOAN FROM
1 LOAN RETURNED
RETRIEVAL, THEFT
RETRIEVAL, ESCAPE
CLUTCH OF EGGS
71 TOTAL

RELEASED:

15 DEATH
3 TRADED TO
25 SALE TO
2 DONATION TO
LOAN TO
LOAN RETURNED
THEFT
ESCAPE
RETURN WILD
45 TOTAL
9 AUTOPSIES

CAUSE OF DEATH:

1 EUTHANASIA
SELF-INFLICTED
2 TRAUMA FROM OTHER
MALICIOUS DESTRUC
1 DEGENERATIVE
4 INFECTIOUS
PARASITES
METABOLIC
5 STILLBORN
PREMATURE BIRTH
1 ANESTHESIA
DIED IN TRANSIT

GENUS

BEACHED
1 UNKNOWN

MORTALITY (CON)

1 YEAR
2 YEARS
3 YEARS
1 4 YEARS
5 YEARS
2 10 YEARS
1 15 YEARS
20 YEARS
1 MORE THAN
20 YEARS

MORTALITY INTERVAL
6 1 DAY OR LESS
4 LESS THAN 30 DAYS
LESS THAN 60 DAYS
LESS THAN 90 DAYS
LESS THAN 6 MONTHS

LONGEVITY 30-1YR 52-2YR 24-3YR 17-4YR 14-5YR 68-10YR 17-15YR 19-20YR 3-GREATER THAN 20Y.
244 TOTAL

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/
BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

METRO TORONTO ZOO(4Z)/WEST HILL/ONTARIO/CANADA
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY 1-2YR 1-3YR

SAN FRANCISCO ZOOLOGICAL GARDENS(SF)/SAN FRANCISCO/CALIFORNIA/USA
2-SPECIMEN 2-FEMALE
LONGEVITY 1-5YR 1-10YR

Water Buffalo

HENRY DOORLY ZOOLOGICAL GARDENS (NE)/OMAHA/NEBRASKA/USA
9-SPECIMEN 5-FEMALE 4-MALE
LONGEVITY 2-1YR 2-2YR 2-3YR 1-5YR 2-10YR

5-STDBK

OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/USA
9-SPECIMEN 5-FEMALE 4-MALE
LONGEVITY 2-1YR 1-2YR 1-3YR 2-4YR 1-10YR 2-15YR

6-STDBK

GLADYS PORTER ZOO(UR)/BROWNSVILLE/TEXAS/USA
5-SPECIMEN 2-FEMALE 3-MALE
LONGEVITY 1-1YR 2-2YR 2-10YR

2-STDBK

ISIS SPECIES DISTRIBUTION SUMMARY

YEAR ENDING: 31/12/75

H08
PAGE: 930

MAMMALIA/MAMMALS/

SUMMARY: BOS GAURUS(455P)/GAUR/

ACQUIRED:

7 BORN
WILD CAUGHT
WILD FOUND
TRADE FROM
PURCHASE FROM
DONATION FROM
LOAN FROM
LOAN RETURNED
RETRIEVAL, THEFT
RETRIEVAL, ESCAPE
CLUTCH OF EGGS
7 TOTAL

RELEASED:

2 DEATH
TRADED TO
2 SALE TO
DONATION TO
LOAN TO
LOAN RETURNED
THEFT
ESCAPE
RETURN WILD
4 TOTAL
2 AUTOPSIES

CAUSE OF DEATH:

EUTHANASIA
SELF-INFLICTED
1 TRAUMA FROM OTHER
MALICIOUS DESTRUC
DEGENERATIVE
INFECTIOUS
PARASITES
METABOLIC
STILLBORN
1 PREMATURE BIRTH
ANESTHESIA
DIED IN TRANSIT

SUBSPECIES

REACHED
UNKNOWN

MORTALITY INTERVAL
1 1 DAY OR LESS
LESS THAN 30 DAYS
LESS THAN 60 DAYS
LESS THAN 90 DAYS
LESS THAN 6 MNTHS

MORTALITY (CON)

1 YEAR
2 YEARS
3 YEARS
4 YEARS
5 YEARS
1 10 YEARS
15 YEARS
20 YEARS
MORE THAN
20 YEARS

LONGEVITY 5-1YR 6-2YR 4-3YR 2-4YR 2-5YR 6-10YR 2-15YR -20YR -GREATER THAN 20Y.
27 TOTAL

BOS GAURUS(455P)/GAUR/
BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY 1-1YR 1-2YR

SAN DIEGO WILD ANIMAL PARK(BK)/SAN DIEGO/CALIFORNIA/USA
4-SPECIMEN 2-FEMALE 2-MALE
LONGEVITY 1-1YR 1-2YR 1-4YR 1-5YR

2-STDBK

SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIFORNIA/USA
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY 1-3YR 1-4YR

2-STDBK

ST. LOUIS ZOOLOGICAL PARK (LY)/ST. LOUIS/MISSOURI/USA
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY 2-3YR

LINCOLN MUNICIPAL ZOO (NA)/LINCOLN/NEBRASKA/USA
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY

1-10YR 1-15YR

MAMMALIA/MAMMALS/

93394 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: 4YR EST SEX: MALE
 WILD BORN LOC: 310532 NEW MEXICO/USA/NORTH AMERICA/AM
 25/10/75 PURCHASED FROM: 310532001 RIO GRANDE ZOOLOGICAL PARK (NS)/ALBUQUERQUE/NE
 V/R ID: UNKN. ACQ COST: \$500. DELIVERY COST:\$200.

SUMMARY: ANTILOCAPRA AMERICANA(5SSP)/PRONGHORN/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-1YR 1-5YR

SUMMARY: ANTILOCAPRA/PRONGHORN/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-1YR 1-5YR

SUMMARY: ANTILOCAPRIDAE/PRONGHORN/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-1YR 1-5YR

BOVIDAE//

BISON/BISON/

BISON BISON(2SSP)/AMERICAN BISON/N.AMERICA
 BISON BISON BISON/PRAIRIE BISON/

19-009-001-001-002

07731 SPECIMEN-ID 12/12/74 OTHER SOURCE AGE: 1YR11MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
 12/12/74 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
 V/R ID: UNKN. DELIVERY COST:

07732 SPECIMEN-ID 12/12/74 OTHER SOURCE AGE: 2YR11MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
 12/12/74 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
 V/R ID: UNKN. DELIVERY COST:

SUMMARY: BISON BISON(2SSP)/AMERICAN BISON/N.AMERICA
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-2YR 1-3YR

SUMMARY: BISON/BISON/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-2YR 1-3YR

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

08281 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: 1YR 6MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
 25/10/75 ON LOAN FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/US
 V/R ID: UNKN. DELIVERY COST:\$250.

08282 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: YR10MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 010537005
 25/10/75 ON LOAN FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/US
 V/R ID: UNKN. DELIVERY COST:\$250.

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-1YR 1-2YR

LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA

YEAR ENDING: 31/12/75 ISIS ACQ/RELEASE REPORT PAGE: 28

MAMMALIA/MAMMALS/

20/06/75 PURCHASED FROM: 310210351 MICH-KEN BREEDING FARMS/MONTREAL/QUEBEC/CANADA
V/R ID: UNKN. ACQ COST: \$600. DELIVERY COST:93394 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: 4YR EST SEX: MALE
WILD BORN LOC: 310532 NEW MEXICO/USA/NORTH AMERICA/AM
25/10/75 PURCHASED FROM: 310532001 PIO GRANDE ZOOLOGICAL PARK (NS)/ALBUQUERQUE/NE
V/R ID: UNKN. ACQ COST: \$500. DELIVERY COST:\$200.

SUMMARY: ANTILOCAPRA AMERICANA(5SSP)/PRONGHORN/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| BORN | DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| 2 PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 2 TOTAL | AUTOPSIES | DIED IN TRANSIT | |

BOVIDAE//

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/

BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

08281 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: 1YR 6MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
25/10/75 ON LOAN FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/US
V/R ID: UNKN. DELIVERY COST:\$250.08282 SPECIMEN-ID 25/10/75 OTHER SOURCE AGE: YR10MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 010537005
25/10/75 ON LOAN FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/US
V/R ID: UNKN. DELIVERY COST:\$250.

SUMMARY: BOS GAURUS(4SSP)/GAUR/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| BORN | DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| 2 LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 2 TOTAL | AUTOPSIES | DIED IN TRANSIT | |

SYNCEPUS/AFRICAN BUFFALO/

SYNCEPUS CAFFER(3SSP)/AFRICAN BUFFALO/

SYNCEPUS CAFFER CAFFER/CAPE BUFFALO/

19-009-005 001-002

08267 SPECIMEN-ID 26/09/75 DEATH CAUSE: INJURY FROM OTHER AGENCY DISP: INCINERATE
AUTOP: DK CARC TO: N/A

2/3(0/1); Tucson ADM USA 1/0(1/0); Washington NYP USA 1/0.

Total: 30/39/8(12/17/8) in 21 collections.

NYALA *Tragelaphus angasii*

Berlin E Ge 1/2(1/0); Berlin W Ge 1/2(1/2); Cadiz Sp 2/1(1/0); Catskill USA 3/9(3/5); Dallas USA 2/2(1/0); Dresden Ge 2/2(2/2); Gelsenkirchen Ge 2/1(2/1); Hanover Ge 1/7(1/7); Hilvarenbeek Ne 1/5; Krefeld Ge 1/2(0/1); Madrid Sp 1/1; Mallorca Sp 3/3(2/2); Marwell GB 1/5(0/3); Mexico Chapultepec 2/3(1/1); NY Bronx USA 7/11(6/10); Oklahoma USA 3/7(3/5); Osnabruck Ge 1/2; Paris M Fr 5/3(5/3); Pietermaritzburg NLP SA 22/35/6(17/23/6); Prague Cz 5/7(4/5); Pretoria SA 6/11(6/11); San Antonio USA 2/5(1/4); San Diego WAP USA 1/1(1/1); Tampa USA 2/7(b); Toledo USA 1/2(1/2); Winston USA 1/0(1/0).

Total: 79/136/6(60/88/6+) in 26 collections.

BONGO *Boocercus eurycerus*

Antwerp Bel 0/3(0/1); Basle Switz 1/2(1/0); Berlin W Ge 1/2(0/1); Brownsville USA 1/0; Cincinnati USA 1/0; Frankfurt Ge 1/3(0/1); Milwaukee USA 2/2; Nanyuki Ken 2/1; Tokyo Ueno Jap 1/0; Toronto Can 1/0(1/0); Washington NYP USA 1/3(0/1); Woburn GB 2/2.

Total: 14/18(2/4) in 12 collections.

Breeding loan from Cincinnati (Milwaukee).

DERBY ELAND *Taurotragus derbianus*

Antwerp Bel 3/4; Berlin E Ge 2/3(1/1); Omaha USA 0/1; Paris PZ Fr 1/1(1/1); Prague Cz 1/0; Pretoria SA 1/1(1/1).

Total: 8/10(3/3) in 6 collections.

* **ANOVA** *Anoa depressicornis* IUCN (E)

Chicago LP USA 1/0(1/0); Jakarta Indon 4/3; Leipzig Ge 1/3(0/1); London ZSL GB 1/0; Peking China 0/1; Surabaya Indon 4/3; Sydney Austral 3/1(1/0).

* **LOWLAND ANOVA** *A. d. depressicornis* IUCN (E)

Berlin W Ge 1/0(1/0); Catskill USA 1/0(1/0); San Diego USA 1/0(1/0).

Total: 3/0(3/0) in 3 collections.

* **MOUNTAIN ANOVA** *A. d. quarlesi*

IUCN (E)
Antwerp Bel 1/1; Berlin W Ge 1/2(0/1); Dvur Kralove Cz 1/0.

Total: 3/3(0/1) in 3 collections.

Species total: 20/14(5/2) in 12 collections.

GAUR *Bos gaurus*

Bekesbourne GB 1/0(1/0); Berlin W Ge 3/6(3/5); Brownsville USA 2/2(2/1); Edmonton AGF Can

1/1(1/1); Gauhati Ind 0/1; Gelsenkirchen Ge 2/0(2/0); Hyderabad Ind 3/9(0/1); Munich Ge 2/4(2/4); Oklahoma USA 1/6(0/5); Omaha USA 3/4(2/3); St Louis USA 1/1(1/1); San Diego USA 1/1(1/1); San Diego WAP USA 1/1(1/1); Toronto Can 1/1(1/1).

Total: 22/37(17/24) in 14 collections.

* **BANTENG** *Bos javanicus* IUCN (V)

Amsterdam Ne 1/3(1/3); Antwerp Bel 2/2(2/2); Arnhem Ne 1/0(1/0); Askaniya-Nova USSR 1/5(1/5); Berlin E Ge 1/5(1/5); Berlin W Ge 1/7(1/7); Catskill USA 4/5(4/5); Chicago Brookfield USA 1/5(1/5); Cologne Ge 1/1; Jakarta Indon 9/5(9/5); Dresden Ge 2/3(2/3); Easterly USA 1/1(1/1); Edmonton AGF Can 2/1(2/1); Eskilstuna Swed 0/2(0/2); Frankfurt Ge 1/2(1/2); Gelsenkirchen Ge 3/1(3/1); Hamburg Ge 1/4(0/3); Karlsruhe Ge 3/3(2/2); Kiev USSR 1/1(1/1); Madrid Sp 2/2(0/1); Melbourne Austral 3/1(2/0); Munich Ge 5/8(5/8); Nuremberg Ge 2/3(2/3); Osnabruck Ge 0/1(0/1); Pretoria SA 4/5(3/4); Rome It 8/7(7/6); Rotterdam Ne 5/5(5/5); St Louis USA 1/2(1/2); San Diego USA 1/4(1/4); Surabaya Indon 3/1(1/0); Tallin USSR 2/1(2/1); Tokyo Tama Jap 1/0(1/0).

Total: 73/96(63/88) in 32 collections.

No data 1974: Bangkok Thai 2/1; Kolmarden Swed (b); Stoneham USA 1/1(1/1).

WISENT or EUROPEAN BISON *Bison bonasus*

Total: 378/484 in enclosures + 305/347 in free-ranging herds in Poland and USSR.

N.B.: These figures have been supplied by the Studbook Keeper (see p. 453). They include 145/218 animals living in zoos listed in the Yearbook.

WOOD BISON *Bison bison athabasca*

Edmonton AGF Can 4/9(2/7); Hilvarenbeek Ne 1/1(1/1); Leipzig Ge 1/5(1/5); San Diego USA 1/1(1/1).

Total: 7/16(5/14) in 4 collections.

* **JENTINK'S DUIKER** *Cephalophus jentinkii* IUCN (E)

Brownsville USA 0/1(0/1).

YELLOW-BACKED DUIKER *Cephalophus sylvicultor*

Brownsville USA 3/2(2/0); Dallas USA 3/2(1/1); Frankfurt Ge 1/2(0/1); Paris PZ Fr 2/2(1/1); San Diego USA 1/0(1/0).

Total: 10/8(5/3) in 5 collections.

ZEBRA DUIKER *Cephalophus zebra*

Brownsville USA 1/2(1/0); Frankfurt Ge 1/0.

Total: 2/2(1/0) in 2 collections.

MAMMALIA/MAMMALS/

SUMMARY: ELAPHURUS DAVIDANUS/PEPE DAVIDS DEER/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| 1 BORN | DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 1 TOTAL | AUTOPSIES | DIED IN TRANSIT | |

ANTILOCAPRIDAE/PRONGHORN/

ANTILOCAPRA/PRONGHORN/

ANTILOCAPRA AMERICANA(5SSP)/PRONGHORN/

ANTILOCAPRA AMERICANA AMERICANA/PRONGHORN/

19-008-001-001-002

M00466 SPECIMEN-ID 20/06/75 SOLD TO: 310505018 LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
V/R ID: UNKN. PRICE: DELIVERY COST:M00466 SPECIMEN-ID 20/06/75 SOLD TO: 310505018 LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
V/R ID: UNKN. PRICE: DELIVERY COST:101404 SPECIMEN-ID 20/06/75 SOLD TO: 310505018 LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
V/R ID: UNKN. PRICE: DELIVERY COST:
22/05/75 CAPTIVE BORN AGE: YR 7MO SEX: FEMALE
DAM: M00466 SIRE: M00465

SUMMARY: ANTILOCAPRA AMERICANA(5SSP)/PRONGHORN/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| 1 BORN | DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | 3 SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | 3 TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 1 TOTAL | AUTOPSIES | DIED IN TRANSIT | |

BOVIDAE//

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/

BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

101488 SPECIMEN-ID 31/07/75 CAPTIVE BORN AGE: YR 5MO SEX: FEMALE
DAM: 100471 SIRE: 100470

MAMMALIA/MAMMALS/

SUMMARY: BOS GAURUS(4SSP)/GAUR/

ACQUIRED: RELEASED:

1 BORN
 WILD CAUGHT
 WILD FOUND
 TRADE FROM
 PURCHASE FROM
 DONATION FROM
 LOAN FROM
 LOAN RETURNED
 RETRIEVAL, THEFT
 RETRIEVAL, ESCAPE
 CLUTCH OF EGGS
 1 TOTAL

DEATH
 TRADED TO
 SALE TO
 DONATION TO
 LOAN TO
 LOAN RETURNED
 THEFT
 ESCAPE
 RETURN WILD
 TOTAL
 AUTOPSIES

CAUSE OF DEATH:

EUTHANASIA
 SELF-INFLICTED
 TRAUMA FROM OTHER
 MALICIOUS DESTRUC
 DEGENERATIVE
 INFECTIOUS
 PARASITES
 METABOLIC
 STILLBORN
 PREMATURE BIRTH
 ANESTHESIA
 DIED IN TRANSIT

BEACHED
 UNKNOWN

MORTALITY INTERVAL:

STILLBORN
 LESS THAN 30 DAYS
 LESS THAN 60 DAYS
 LESS THAN 90 DAYS
 GREATER THAN
 90 DAYS

BOS JAVANICUS(3SSP)/BANTENG/
 BOS JAVANICUS JAVANICUS/JAVA BANTENG/

19-009-002-002-002

101307 SPECIMEN-ID 25/02/75 OTHER SOURCE AGE: 2YR 1MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
 25/02/75 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
 V/R ID: 173264 DELIVERY COST:

101487 SPECIMEN-ID 29/07/75 OTHER SOURCE AGE: YR 9MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
 29/07/75 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
 V/R ID: 175045 DELIVERY COST:

SUMMARY: BOS JAVANICUS(3SSP)/BANTENG/

ACQUIRED: RELEASED:

BORN
 WILD CAUGHT
 WILD FOUND
 TRADE FROM
 PURCHASE FROM
 2 DONATION FROM
 LOAN FROM
 LOAN RETURNED
 RETRIEVAL, THEFT
 RETRIEVAL, ESCAPE
 CLUTCH OF EGGS
 2 TOTAL

DEATH
 TRADED TO
 SALE TO
 DONATION TO
 LOAN TO
 LOAN RETURNED
 THEFT
 ESCAPE
 RETURN WILD
 TOTAL
 AUTOPSIES

CAUSE OF DEATH:

EUTHANASIA
 SELF-INFLICTED
 TRAUMA FROM OTHER
 MALICIOUS DESTRUC
 DEGENERATIVE
 INFECTIOUS
 PARASITES
 METABOLIC
 STILLBORN
 PREMATURE BIRTH
 ANESTHESIA
 DIED IN TRANSIT

BEACHED
 UNKNOWN

MORTALITY INTERVAL:

STILLBORN
 LESS THAN 30 DAYS
 LESS THAN 60 DAYS
 LESS THAN 90 DAYS
 GREATER THAN
 90 DAYS

BOS MUTUS(2SSP)/YAK/

BOS MUTUS GRUNNIENS/DOMESTIC YAK/

19-009-002-003-003

101476 SPECIMEN-ID 14/07/75 CAPTIVE BORN AGE: YR 5MO SEX: FEMALE
 DAM: UNKN. SIRE: UNKN.

101578 SPECIMEN-ID 11/12/75 DONATED TO: 310505033SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIFORNIA
 V/R ID: 175244 DELIVERY COST:
 06/12/75 CAPTIVE BORN AGE: YR MO SEX: FEMALE
 DAM: UNKN. SIRE: UNKN.

SAN DIEGO WILD ANIMAL PARK(BK)/SAN DIEGO/CALIFORNIA/USA

YEAR ENDING: 31/12/75

ISIS INVENTORY REPORT PAGE: 35

MAMMALIA/MAMMALS/

SUMMARY: ANTILOCAPRA/PRONGHORN/
4-SPECIMEN 2-FEMALE 2-MALE
LONGEVITY 1-3YR 1-4YR 2-10YR

SUMMARY: ANTILOCAPRIDAE/PRONGHORN/
4-SPECIMEN 2-FEMALE 2-MALE
LONGEVITY 1-3YR 1-4YR 2-10YR

BOVIDAE//
BOS/TRUE CATTLE/
BOS GAURUS(4SSP)/GAUR/
BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

*DAM (born 5-1-69)
033702*

100470 SPECIMEN-ID 24/12/70 OTHER SOURCE AGE: 5YR 6MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
24/12/70 PURCHASED FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/
V/R ID: UNKN. ACQ COST: DELIVERY COST:
24/12/70 126905 STUDBOOK SPECIMEN NUMBER 49 OKC 7
24/12/70 TAG / TATTOO / HOUSE NAME 02 556

100471 SPECIMEN-ID 19/02/73 OTHER SOURCE AGE: 4YR 6MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
19/02/73 PURCHASED FROM: 310544015 BUSCH GARDENS (US)/HOUSTON/TEXAS/USA
V/R ID: UNKN. ACQ COST: DELIVERY COST:
19/02/73 STUDBOOK SPECIMEN NUMBER 50 OKC 8
*DAM
OKC 2
033702*

101184 SPECIMEN-ID 24/07/74 CAPTIVE BORN AGE: 1YR 5MO SEX: MALE
DAM: 100471 SIRE: 100470

101488 SPECIMEN-ID 31/07/75 CAPTIVE BORN AGE: YR 5MO SEX: FEMALE
DAM: 100471 SIRE: 100470

*51 DAM
Studbook
03380
OKC 6
3*

SUMMARY: BOS GAURUS(4SSP)/GAUR/
4-SPECIMEN 2-FEMALE 2-MALE
LONGEVITY 1-1YR 1-2YR 1-5YR 1-10YR
BOS JAVANICUS(3SSP)/BANTENG/
BOS JAVANICUS JAVANICUS/JAVA BANTENG/

2-STDBK,

19-009-002-002-002

101254 SPECIMEN-ID 19/11/74 OTHER SOURCE AGE: 2YR 8MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310522003 FRANKLIN PARK ZOO (MF)/BOSTON/M
19/11/74 REC'D IN TRADE FROM: 310522003 FRANKLIN PARK ZOO (MF)/BOSTON/MASSACHUSET
V/R ID: UNKN. ACQ COST: DELIVERY COST:

101307 SPECIMEN-ID 25/02/75 OTHER SOURCE AGE: 2YR 1MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
25/02/75 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
V/R ID: 173264 DELIVERY COST:

101487 SPECIMEN-ID 29/07/75 OTHER SOURCE AGE: YR 9MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)
29/07/75 DONATION FROM: 310505033 SAN DIEGO ZOOLOGICAL GARDEN(BK)/SAN DIEGO/CALIF
V/R ID: 175045 DELIVERY COST:

SUMMARY: BOS JAVANICUS(3SSP)/BANTENG/
3-SPECIMEN 1-FEMALE 2-MALE
LONGEVITY 1-1YR 2-3YR

SUMMARY: CERVUS ELAPHUS(235SP)/RED DEER/
ACQUIRED: 1 BORN
WILD CAUGHT
WILD FOUND
TRADE FROM
PURCHASE FROM
DONATION FROM
LOAN FROM
LOAN RETURNED
RETRIEVAL, THEFT
RETRIEVAL, ESCAPE
CLUTCH OF EGGS
1 TOTAL
CERVUS MARIANNUS(45TP)/SAMBAR/
CERVUS MARIANNUS MARIANNUS/SAMBAR/

RELEASED:
DEATH
TRADED TO
SALE TO
DONATION TO
LOAN TO
LOAN RETURNED
THEFT
ESCAPE
RETURN WILD
TOTAL
AUTOPSIES

CAUSE OF DEATH:
EUTHANASIA
SELF-INFLICTED
TRAUMA FROM OTHER
MALICIOUS DESTRUC
DEGENERATIVE
INFECTIOUS
PARASITES
METABOLIC
STILLBORN
PREMATURE BIRTH
ANESTHESIA
DIED IN TRANSIT

BEACHED
UNKNOWN

MORTALITY INTERVAL:
STILLBORN
LESS THAN 30 DAYS
LESS THAN 60 DAYS
LESS THAN 90 DAYS
GREATER THAN
90 DAYS

19-006-004-007-002

M01219 SPECIMEN-ID 19/09/74 CAPTIVE BORN AGE: YR 8MO SEX: MALE
DAM: UNKN. SIRE: UNKN.

SUMMARY: CERVUS MARIANNUS(45SP)/SAMBAR/
ACQUIRED: 1 BORN
WILD CAUGHT
WILD FOUND
TRADE FROM
PURCHASE FROM
DONATION FROM
LOAN FROM
LOAN RETURNED
RETRIEVAL, THEFT
RETRIEVAL, ESCAPE
CLUTCH OF EGGS
1 TOTAL
BOVIDAE//
BOS/TRUE CATTLE/
BOS GAURUS(45SP)/GAUR/
BOS GAURUS GAURUS/GAUR/

RELEASED:
DEATH
TRADED TO
SALE TO
DONATION TO
LOAN TO
LOAN RETURNED
THEFT
ESCAPE
RETURN WILD
TOTAL
AUTOPSIES

CAUSE OF DEATH:
EUTHANASIA
SELF-INFLICTED
TRAUMA FROM OTHER
MALICIOUS DESTRUC
DEGENERATIVE
INFECTIOUS
PARASITES
METABOLIC
STILLBORN
PREMATURE BIRTH
ANESTHESIA
DIED IN TRANSIT

BEACHED
UNKNOWN

MORTALITY INTERVAL:
STILLBORN
LESS THAN 30 DAYS
LESS THAN 60 DAYS
LESS THAN 90 DAYS
GREATER THAN
90 DAYS

19-009-002-001-002

M01184 SPECIMEN-ID 24/07/74 CAPTIVE BORN AGE: YR 6MO SEX: MALE
DAM: M00471 SIRE: M00470

SUMMARY: BOS GAURUS(45SP)/GAUR/
ACQUIRED: 1 BORN
WILD CAUGHT
WILD FOUND
TRADE FROM
PURCHASE FROM
DONATION FROM
LOAN FROM
LOAN RETURNED
RETRIEVAL, THEFT
RETRIEVAL, ESCAPE
CLUTCH OF EGGS
1 TOTAL
BOS MUTUS(25SP)/YAK/
BOS MUTUS GRUNNIENS/DOMESTIC YAK/

RELEASED:
DEATH
TRADED TO
SALE TO
DONATION TO
LOAN TO
LOAN RETURNED
THEFT
ESCAPE
RETURN WILD
TOTAL
AUTOPSIES

CAUSE OF DEATH:
EUTHANASIA
SELF-INFLICTED
TRAUMA FROM OTHER
MALICIOUS DESTRUC
DEGENERATIVE
INFECTIOUS
PARASITES
METABOLIC
STILLBORN
PREMATURE BIRTH
ANESTHESIA
DIED IN TRANSIT

BEACHED
UNKNOWN

MORTALITY INTERVAL:
STILLBORN
LESS THAN 30 DAYS
LESS THAN 60 DAYS
LESS THAN 90 DAYS
GREATER THAN
90 DAYS

19-009-002-003-003

M01176 SPECIMEN-ID 15/07/74 CAPTIVE BORN AGE: YR 6MO SEX: UNKNOWN

MAMMALIA/MAMMALS/
BOVIDAE//BOS/TRUE CATTLE/
BOS GAURUS(4SSP)/GAUR/
BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

MO0470 SPECIMEN-ID 24/12/70 OTHER SOURCE AGE: 4YR 5MO SEX: MALE
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
 24/12/70 PURCHASED FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLAHOMA/
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 24/12/70 STUDBOOK SPECIMEN NUMBER 49 OKC 7
 24/12/70 TAG / TATTOO / HOUSE NAME 02 556

MO0471 SPECIMEN-ID 19/02/73 OTHER SOURCE AGE: 3YR 5MO SEX: FEMALE
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
 19/02/73 PURCHASED FROM: 310544015 BUSCH GARDENS (US)/HOUSTON/TEXAS/USA
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 19/02/73 STUDBOOK SPECIMEN NUMBER 50 OKC 8

MO1184 SPECIMEN-ID 24/07/74 CAPTIVE BORN AGE: YR 6MO SEX: MALE
 DAM: MO0471 SIRE: MO0470

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 3-SPECIMEN 1-FEMALE 2-MALE
 LONGEVITY 1-1YR 1-4YR 1-5YR
 BOS MUTUS(2SSP)/YAK/
 BOS MUTUS GRUNNIENS/DOMESTIC YAK/

2-STDBK,

19-009-002-003-002

MO0472 SPECIMEN-ID 03/04/70 OTHER SOURCE AGE: 5YR EST SEX: FEMALE
 INSTIT BORN LOC: UNKNOWN.
 03/04/70 PURCHASED FROM: 310510355 CHARLES P CHASE CO. INC. (FK)/MIAMI/FLORIDA/US
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 03/04/70 TAG / TATTOO / HOUSE NAME SD A021

MO0473 SPECIMEN-ID 16/04/70 OTHER SOURCE AGE: 5YR EST SEX: FEMALE
 INSTIT BORN LOC: 310539013 PHILADELPHIA ZOOLOGICAL GARDEN
 16/04/70 PURCHASED FROM: 310510355 CHARLES P CHASE CO. INC. (FK)/MIAMI/FLORIDA/US
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 16/04/70 TAG / TATTOO / HOUSE NAME SD A033

MO0474 SPECIMEN-ID 27/07/70 OTHER SOURCE AGE: 5YR EST SEX: MALE
 INSTIT BORN LOC: UNKNOWN.
 27/07/70 PURCHASED FROM: 310510355 CHARLES P CHASE CO. INC. (FK)/MIAMI/FLORIDA/US
 V/R ID: UNKN. ACQ COST: DELIVERY COST:

MO0475 SPECIMEN-ID 15/12/70 OTHER SOURCE AGE: 5YR EST SEX: FEMALE
 INSTIT BORN LOC: UNKNOWN.
 15/12/70 PURCHASED FROM: 310510355 CHARLES P CHASE CO. INC. (FK)/MIAMI/FLORIDA/US
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 15/12/70 TAG / TATTOO / HOUSE NAME SDWAP 59

MO0477 SPECIMEN-ID 25/08/71 CAPTIVE BORN AGE: 3YR 7MO SEX: FEMALE
 DAM: UNKN. SIRE: MO0474
 25/08/71 TAG / TATTOO / HOUSE NAME SDWAP 140

MO0478 SPECIMEN-ID 02/07/72 CAPTIVE BORN AGE: 2YR 6MO SEX: MALE
 DAM: UNKN. SIRE: MO0474

MAMMALIA/MAMMALS/

15/07/75 CAPTIVE BORN AGE: YR 5MO SEX: MALE
DAM: 619 SIRE: 647

SUMMARY: BISON BISON(2SSP)/AMERICAN BISON/N.AMERICA

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|---------------------|---------------------|
| 4 BORN | 3 DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | 7 SALE TO | 1 TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | 1 INFECTIOUS | 1 STILLBORN |
| LOAN FROM | THEFT | PARASITES | 1 LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | 1 STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | 10 TOTAL | PREMATURE BIRTH | 1 GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 4 TOTAL | 3 AUTOPSIES | DIED IN TRANSIT | |

BOS/TRUE CATTLE/
BOS GAURUS(4SSP)/GAUR/
BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

2219 SPECIMEN-ID 04/04/75 DEATH CAUSE: PREMATURE BIRTH DISP: BURY
AUTOP: XA CARC TO: N/A
04/04/75 CAPTIVE BORN AGE: YR 8MO SEX: MALE
DAM: 574 SIRE: UNKN.2369 SPECIMEN-ID 15/08/75 CAPTIVE BORN AGE: YR 4MO SEX: FEMALE
DAM: 769 SIRE: 3242412 SPECIMEN-ID 28/10/75 CAPTIVE BORN AGE: YR 2MO SEX: FEMALE
DAM: 84 SIRE: 324
19-009-002-001-002

BOS GAURUS GAURUS/GAUR/

324 SPECIMEN-ID 13/07/75 DEATH CAUSE: INFECTIOUS NON-PARASITIC DISP: BURY
AUTOP: D2 CARC TO: N/A

SUMMARY: BOS GAURUS(4SSP)/GAUR/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| 3 BORN | 2 DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | 1 INFECTIOUS | 1 STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | 2 TOTAL | 1 PREMATURE BIRTH | 1 GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 3 TOTAL | 2 AUTOPSIES | DIED IN TRANSIT | |

BOS TAURUS/DOMESTIC CATTLE/WORLD WIDE

19-009-002-006-001

1681 SPECIMEN-ID 30/10/75 DEATH CAUSE: INJURY FROM OTHER AGENCY DISP: BURY
AUTOP: DB CARC TO: N/A

MAMMALIA/MAMMALS/

| | | | |
|---|----------|--|----------------|
| | 26/12/69 | STUDBOOK SPECIMEN NUMBER | 23 |
| 969 SPECIMEN-ID | 26/02/71 | CAPTIVE BORN AGE: 4YR10MO SEX: MALE DAM: 84 SIRE: 324 | |
| | 26/02/71 | STUDBOOK SPECIMEN NUMBER | 53 |
| 1766 SPECIMEN-ID | 16/07/73 | CAPTIVE BORN AGE: 2YR 5MO SEX: MALE DAM: 84 SIRE: 324 | |
| | 16/07/73 | STUDBOOK SPECIMEN NUMBER | 64 |
| 1793 SPECIMEN-ID | 28/08/73 | CAPTIVE BORN AGE: 2YR 4MO SEX: FEMALE DAM: 769 SIRE: 324 | |
| | 28/08/73 | STUDBOOK SPECIMEN NUMBER | 65 |
| 1885 SPECIMEN-ID | 11/02/74 | CAPTIVE BORN AGE: 1YR10MO SEX: MALE DAM: 574 SIRE: 324 | |
| 2115 SPECIMEN-ID | 21/09/74 | CAPTIVE BORN AGE: 1YR 3MO SEX: MALE DAM: 84 SIRE: 324 | |
| BOS GAURUS GAURUS/GAUR/ | | | |
| 324 SPECIMEN-ID | 29/11/66 | OTHER SOURCE AGE: 11YR EST SEX: MALE WILD BORN LOC: 430819 MYSORE/INDIA/SOUTH CENTRAL ASIA/ | |
| | 29/11/66 | PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEW ROCHELLE/NEW YORK V/R ID: UNKN. ACQ COST: \$5000. DELIVERY COST: | |
| | 29/11/66 | STUDBOOK SPECIMEN NUMBER | 13 |
| | 29/11/66 | POST-ENTRY QUARANTINE PERMIT | 8050 |
| | 29/11/66 | TAG / TATTOO / HOUSE NAME | 1152 |
| | 29/11/66 | TAG / TATTOO / HOUSE NAME | WOLF |
| BOS GAURUS READEI/GAUR/ | | | |
| 84 SPECIMEN-ID | 08/09/65 | OTHER SOURCE AGE: 12YR 3MO SEX: FEMALE WILD BORN LOC: 4313 THAILAND/SOUTH CENTRAL ASIA/ASIA | BIRTH RECORDED |
| | 08/09/65 | PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEW ROCHELLE/NEW YORK V/R ID: UNKN. ACQ COST: \$5000. DELIVERY COST: | |
| | 08/09/65 | STUDBOOK SPECIMEN NUMBER | 15 |
| | 08/09/65 | POST-ENTRY QUARANTINE PERMIT | 6561 |
| | 08/09/65 | TAG / TATTOO / HOUSE NAME | 770 |
| | 08/09/65 | TAG / TATTOO / HOUSE NAME | THAI |
| SUMMARY: BOS GAURUS(4SSP)/GAUR/ 9-SPECIMEN 4-FEMALE 5-MALE LONGEVITY 2-2YR 2-3YR 1-5YR 2-10YR 2-15YR 7-STDBK, 2-POST-E O. | | | |
| BOS PRIMIGENIUS(3SSP)/AUROCHS,WILD OX/ BOS PRIMIGENIUS INDICUS/ZEBU, DOMESTIC/ 19-009-002-004-003 | | | |
| 1229 SPECIMEN-ID | 20/08/71 | OTHER SOURCE AGE: 11YR EST SEX: MALE INSTIT BORN LOC: NEBRASKA | |
| | 20/08/71 | PURCHASED FROM: NEBR STAT V/R ID: UNKN. ACQ COST: . DELIVERY COST: | |
| SUMMARY: BOS PRIMIGENIUS(3SSP)/AUROCHS,WILD OX/ 1-SPECIMEN 1-MALE LONGEVITY 1-15YR | | | |

FLORIDA/

NORTH A
CALIFORNIA

NORTH A
CALIFORNIA

NORTH A
CALIFORNIA

IDAHO/MI

IDAHO/MI

MAMMALIA/MAMMALS/

15/08/75 TAG / TATTOO / HOUSE NAME 88

2412 SPECIMEN-ID 28/10/75 CAPTIVE BORN AGE: YR 2MO SEX: FEMALE
DAM: 84 SIRE: 324
BOS GAURUS READEI/GAUR/ 19-009-002-001-005

84 SPECIMEN-ID 08/09/65 OTHER SOURCE AGE: 12YR 3MO SEX: FEMALE BIRTH RECORDED
WILD BORN LOC: 4313 THAILAND/SOUTHCENTRAL ASIA/ASIA
08/09/65 PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEW ROCHELLE/NEW YO
V/R ID: UNKN. ACQ COST: \$5000. DELIVERY COST:
08/09/65 STUDBOOK SPECIMEN NUMBER 15
08/09/65 POST-ENTRY QUARANTINE PERMIT 6561
08/09/65 TAG / TATTOO / HOUSE NAME THAI
08/09/65 TAG / TATTOO / HOUSE NAME 770

SUMMARY: BOS GAURUS(4SSP)/GAUR/
10-SPECIMEN 6-FEMALE 4-MALE 6-STDBK, 1-POST-E Q.
LONGEVITY 2-1YR 2-2YR 2-3YR 1-5YR 2-10YR 1-15YR
BOS PRIMIGENIUS(3SSP)/AUROCHS,WILD OX/
BOS PRIMIGENIUS INDICUS/ZEBU, DOMESTIC/ 19-009-002-004-003

1229 SPECIMEN-ID 20/08/71 OTHER SOURCE AGE: 11YR EST SEX: MALE
INSTIT BORN LOC: NEBRASKA
20/08/71 PURCHASED FROM: NEBR STAT
V/R ID: UNKN. ACQ COST: . DELIVERY COST: .

SUMMARY: BOS PRIMIGENIUS(3SSP)/AUROCHS,WILD OX/
1-SPECIMEN 1-MALE 1-15YR
LONGEVITY 1-15YR
BOS TAURUS/DOMESTIC CATTLE/WORLD WIDE 19-009-002-006-001

1139 SPECIMEN-ID 14/05/71 OTHER SOURCE AGE: 7YR EST SEX: CASTATED MALEE
INSTIT BORN LOC: 310528409 FORT HIOBRARA NAT. WILDL. REFUG
14/05/71 DONATION FROM: 310528409 FORT HIOBRARA NAT. WILDL. REFUGE/VALENTINE/NEBR
V/R ID: UNKN. DELIVERY COST: .

1140 SPECIMEN-ID 14/05/71 OTHER SOURCE AGE: 8YR EST SEX: CASTATED MALEE
INSTIT BORN LOC: 310528409 FORT HIOBRARA NAT. WILDL. REFUG
14/05/71 DONATION FROM: 310528409 FORT HIOBRARA NAT. WILDL. REFUGE/VALENTINE/NEBR
V/R ID: UNKN. DELIVERY COST: .

1878 SPECIMEN-ID 25/01/74 OTHER SOURCE AGE: 11YR EST SEX: CASTATED MALEE
INSTIT BORN LOC: TEXAS
25/01/74 DONATION FROM: HINKYFOOD
V/R ID: UNKN. DELIVERY COST: .

SUMMARY: BOS TAURUS/DOMESTIC CATTLE/WORLD WIDE
3-SPECIMEN 3-C.FEMALE
LONGEVITY 2-10YR 1-15YR

MAMMALIA/MAMMALS/
BOVIDAE//
BISON/BISON/BISON BISON(2SSP)/AMERICAN BISON/N.AMERICA
BISON BISON BISON/PRAIRIE BISON/

19-009-001-001-002

113 SPECIMEN-ID 15/11/65 CAPTIVE BORN AGE: 10YR 1MO SEX: FEMALE
DAM: 1413 SIRE: 2

631 SPECIMEN-ID 01/01/67 OTHER SOURCE AGE: 12YR 11MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: UNKNOWN.
01/01/67 DONATION FROM: NEBR GAME DELIVERY COST: .
V/R ID: UNKN.

647 SPECIMEN-ID 16/06/69 OTHER SOURCE AGE: 6YR 11MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310528409 FORT HIOBRARA NAT. WILD. REFUG
16/06/69 DONATION FROM: 310528409 FORT HIOBRARA NAT. WILD. REFUGE/VALENTINE/NEBR
V/R ID: UNKN. DELIVERY COST: .

649 SPECIMEN-ID 16/06/69 OTHER SOURCE AGE: 6YR 11MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 310528409 FORT HIOBRARA NAT. WILD. REFUG
16/06/69 DONATION FROM: 310528409 FORT HIOBRARA NAT. WILD. REFUGE/VALENTINE/NEBR
V/R ID: UNKN. DELIVERY COST: .
TAG / TATTOO / HOUSE NAME 66

1414 SPECIMEN-ID 01/01/65 OTHER SOURCE AGE: 15YR EST SEX: FEMALE
LOC: UNKNOWN.
01/01/65 DONATION FROM: UNKNOWN DELIVERY COST: .
V/R ID: UNKN.

1929 SPECIMEN-ID 01/05/74 CAPTIVE BORN AGE: 1YR 8MO SEX: MALE
DAM: 649 SIRE: 2

2021 SPECIMEN-ID 23/06/74 CAPTIVE BORN AGE: 1YR 6MO SEX: MALE
DAM: 973 SIRE: 2

2247 SPECIMEN-ID 05/05/75 CAPTIVE BORN AGE: YR 7MO SEX: MALE
DAM: UNKN. SIRE: UNKN.

SUMMARY: BISON BISON(2SSP)/AMERICAN BISON/N.AMERICA

8-SPECIMEN 4-FEMALE 4-MALE
LONGEVITY 1-1YR 2-2YR

3-10YR 2-15YR

SUMMARY: BISON/BISON/

8-SPECIMEN 4-FEMALE 4-MALE
LONGEVITY 1-1YR 2-2YR

3-10YR 2-15YR

BOS/TRUE CATTLE/
BOS GAURUS(4SSP)/GAUR/
BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

574 SPECIMEN-ID 22/09/68 CAPTIVE BORN AGE: 7YR 3MO SEX: FEMALE
DAM: 84 SIRE: 324
22/09/68 STUDBOOK SPECIMEN NUMBER 22

769 SPECIMEN-ID 26/12/69 CAPTIVE BORN AGE: 6YR MO SEX: FEMALE
DAM: 84 SIRE: 324

MAMMALIA/MAMMALS/

SUMMARY: GIRAFFA CAMELOPARDALIS (955P)/GIRAFFE/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED: |
|-------------------|---------------|-------------------|---------------------|
| 1 BORN | 1 DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 1 TOTAL | AUTOPSIES | DIED IN TRANSIT | |

BOVIDAE//

BOS/TRUE CATTLE/

BOS GAURUS (455P)/GAUR/
BOS GAURUS (455P)/GAUR/

19-009-002-001-001

500 SPECIMEN-ID 13/05/75 CAPTIVE BORN AGE: YR 7MO SEX: MALE
DAM: 119 SIRE: 118
19-009-002-001-002

BOS GAURUS GAURUS/GAUR/

117 SPECIMEN-ID 29/09/75 DEATH CAUSE: DEGENERATIVE CAUSES DISP: INCINERATE
AUTOF: KK CARC TO: N/A

SUMMARY: BOS GAURUS (455P)/GAUR/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED: |
|-------------------|---------------|-------------------|---------------------|
| 1 BORN | 1 DEATH | EUTHANASIA | UNKNOWN |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | TOTAL | PREMATURE BIRTH | GREATER THAN |
| CLUTCH OF EGGS | | ANESTHESIA | 90 DAYS |
| 1 TOTAL | 1 AUTOPSIES | DIED IN TRANSIT | |

BOSELAPHUS/NILGAI/

BOSELAPHUS TRAGOCAMELUS/NILGAI/

19-009-003-001-001

178 SPECIMEN-ID 20/06/75 SOLD TO: 310201004 ALBERTA GAME FARM (10)/EDMONTON/ALBERTA/CANADA
V/R ID: UNKN. PRICE: DELIVERY COST:179 SPECIMEN-ID 20/06/75 SOLD TO: 310201004 ALBERTA GAME FARM (10)/EDMONTON/ALBERTA/CANADA
V/R ID: UNKN. PRICE: DELIVERY COST:

MAMMAL IA MAMMALS/

10/11/70 TAG / TATTOO / HOUSE NAME 1809

126 SPECIMEN-ID 26/10/72 OTHER SOURCE AGE: 5YR EST SEX: FEMALE
WILD BORN LOC: 24 EAST AFRICA/AFRICAN REGION/
26/10/72 PURCHASED FROM: 310523350 INTERNATIONAL ANIMAL EXCHANGE (MT)/FERNDALE/MI
V/R ID: UNKN. ACQ COST: DELIVERY COST:
26/10/72 TAG / TATTOO / HOUSE NAME 1914
26/10/72 TAG / TATTOO / HOUSE NAME 1914

127 SPECIMEN-ID 26/10/72 OTHER SOURCE AGE: 5YR EST SEX: FEMALE
WILD BORN LOC: 24 EAST AFRICA/AFRICAN REGION/
26/10/72 PURCHASED FROM: 310523350 INTERNATIONAL ANIMAL EXCHANGE (MT)/FERNDALE/MI
V/R ID: UNKN. ACQ COST: DELIVERY COST:
26/10/72 TAG / TATTOO / HOUSE NAME 1921
26/10/72 TAG / TATTOO / HOUSE NAME 1921

SUMMARY: GIRAFFA CAMELOPARDALIS (9SSP)/GIRAFFE/
6-SPECIMEN 5-FEMALE 1-MALE
LONGEVITY 6-10YR

SUMMARY: GIRAFFA/GIRAFFE/
6-SPECIMEN 5-FEMALE 1-MALE
LONGEVITY 6-10YR

SUMMARY: GIRAFFIDAE/GIRAFFES/
6-SPECIMEN 5-FEMALE 1-MALE
LONGEVITY 6-10YR

CAPRINAE//

BOS/TRUE CATTLE/

BOS GAURUS (4SSP)/GAUR/

BOS GAURUS (4SSP)/GAUR/

19-009-002-001-001

118 SPECIMEN-ID 23/07/71 OTHER SOURCE AGE: 4YR EST SEX: MALE
INSTIT BORN LOC: EAST BERLIN
23/07/71 PURCHASED FROM: 310533351 F.J. ZEEHANDelaar INC. (JH)/NEW ROCHELLE/NEW YO
V/R ID: UNKN. ACQ COST: 95333. DELIVERY COST: 8808.
23/07/71 STUDBOOK SPECIMEN NUMBER 30
23/07/71 TAG / TATTOO / HOUSE NAME 1842

119 SPECIMEN-ID 23/07/71 OTHER SOURCE AGE: 4YR EST SEX: FEMALE
INSTIT BORN LOC: EAST BERLIN
23/07/71 PURCHASED FROM: 310533351 F.J. ZEEHANDelaar INC. (JH)/NEW ROCHELLE/NEW YO
V/R ID: UNKN. ACQ COST: 95333. DELIVERY COST: 8808.
23/07/71 STUDBOOK SPECIMEN NUMBER 32
23/07/71 TAG / TATTOO / HOUSE NAME 1843

120 SPECIMEN-ID 20/01/74 CAPTIVE BORN AGE: YR11MO SEX: MALE
DAM: 119 SIRE: 118

121 SPECIMEN-ID 13/07/74 CAPTIVE BORN AGE: YR 5MO SEX: FEMALE
DAM: 117 SIRE: 118
19-009-002-001-002

117 SPECIMEN-ID 23/07/71 OTHER SOURCE AGE: 6YR10MO SEX: FEMALE
WILD BORN LOC: 430819 MYSORE, INDIA/SOUTHCENTRAL ASIA/

ISIS SPECIES DISTRIBUTION SUMMARY

YEAR ENDING: 31/12/75

108
PAGE: 931

MAMMALIA/MAMMALS/

| SUMMARY: BOS GAURUS GAURUS/GAUR/ | | SUBSPECIES | | MORTALITY (CON) | |
|--|--|---------------------|---------------------|-----------------|--------------------|
| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | | | |
| 2 BORN | 3 DEATH | EUTHANASIA | BEACHED | 1 YEAR | |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | 1 UNKNOWN | 2 YEARS | |
| WILD FOUND | SALE TO | TRAUMA FROM OTHER | | 3 YEARS | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | | 4 YEARS | |
| PURCHASE FROM | LOAN TO | 1 DEGENERATIVE | MORTALITY INTERVAL | 5 YEARS | |
| DONATION FROM | LOAN RETURNED | 1 INFECTIOUS | 1 DAY OR LESS | 1 10 YEARS | |
| 2 LOAN FROM | THEFT | PARASITES | 1 LESS THAN 30 DAYS | 1 15 YEARS | |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS | 20 YEARS | |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS | MORE THAN | |
| RETRIEVAL, ESCAPE | 3 TOTAL | PREMATURE BIRTH | LESS THAN 6 MNTHS | 20 YEARS | |
| CLUTCH OF EGGS | | ANESTHESIA | | | |
| 4 TOTAL | 2 AUTOPSIES | DIED IN TRANSIT | | | |
| LONGEVITY | 2-1YR 2-2YR 3-3YR 2-4YR 1-5YR 1-10YR 1-15YR -20YR -GREATER THAN 20Y. | | | | |
| 12 TOTAL | | | | | |
| BOS GAURUS(45SP)/GAUR/ BOS GAURUS READEI/GAUR/ | | 19-009-002-001-005 | | | |
| HENRY DOORLY ZOOLOGICAL GARDENS (NE)/OMAHA/NEBRASKA/USA | | | | 1-15YR | 1-15YR 1-POST-E O. |
| 1-SPECIMEN 1-FEMALE | | | | | |
| LONGEVITY | | | | | |
| SUMMARY: BOS GAURUS READEI/GAUR/ | | SUBSPECIES | | MORTALITY (CON) | |
| LONGEVITY | -1YR -2YR -3YR -4YR -5YR -10YR 1-15YR -20YR -GREATER THAN 20Y. | | | | |
| 1 TOTAL | | | | | |
| SUMMARY: BOS GAURUS(45SP)/GAUR/ | | SPECIES | | MORTALITY (CON) | |
| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | | | |
| 9 BORN | 5 DEATH | EUTHANASIA | BEACHED | 1 YEAR | |
| WILD CAUGHT | TRADED TO | SELF-INFLICTED | 1 UNKNOWN | 2 YEARS | |
| WILD FOUND | 2 SALE TO | 1 TRAUMA FROM OTHER | | 3 YEARS | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | | 4 YEARS | |
| PURCHASE FROM | LOAN TO | 1 DEGENERATIVE | MORTALITY INTERVAL | 5 YEARS | |
| DONATION FROM | LOAN RETURNED | 1 INFECTIOUS | 1 1 DAY OR LESS | 2 10 YEARS | |
| 2 LOAN FROM | THEFT | PARASITES | 1 LESS THAN 30 DAYS | 1 15 YEARS | |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS | 20 YEARS | |
| RETRIEVAL, THEFT | RETURN WILD | STILLBORN | LESS THAN 90 DAYS | MORE THAN | |
| RETRIEVAL, ESCAPE | 7 TOTAL | 1 PREMATURE BIRTH | LESS THAN 6 MNTHS | 20 YEARS | |
| CLUTCH OF EGGS | | ANESTHESIA | | | |
| 11 TOTAL | 4 AUTOPSIES | DIED IN TRANSIT | | | |
| LONGEVITY | 7-1YR 8-2YR 7-3YR 4-4YR 3-5YR 7-10YR 4-15YR -20YR -GREATER THAN 20Y. | | | | |
| 40 TOTAL | | | | | |
| BOS JAVANICUS(35SP)/BANTENG/ BOS JAVANICUS(35SP)/BANTENG/ | | 19-009-002-002-001 | | | |

MAMMALIA/MAMMALS/

BOS GAURUS(4SSP)/GAUR/
BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

175137 SPECIMEN-ID 18/06/75 DEATH CAUSE: UNKNOWN DISP: GIVEN TO CODED
 AUTOP: Y CARC TO: 310533419 AMERICAN MUS. OF NAT. HIST./MEM
 31/05/75 CAPTIVE BORN AGE: YR 7MO SEX: MALE
 DAM: 173126 SIRE: 173020

SUMMARY: BOS GAURUS(4SSP)/GAUR/

ACQUIRED:

1 BORN
 WILD CAUGHT
 WILD FOUND
 TRADE FROM
 PURCHASE FROM
 DONATION FROM
 LOAN FROM
 LOAN RETURNED
 RETRIEVAL, THEFT
 RETRIEVAL, ESCAPE
 CLUTCH OF EGGS
 1 TOTAL

RELEASED:

1 DEATH
 TRADED TO
 SALE TO
 DONATION TO
 LOAN TO
 LOAN RETURNED
 THEFT
 ESCAPE
 RETURN MILD
 1 TOTAL

CAUSE OF DEATH:

EUTHANASIA
 SELF-INFLICTED
 TRAUMA FROM OTHER
 MALICIOUS DESTRUC
 DEGENERATIVE
 INFECTIOUS
 PARASITES
 METABOLIC
 STILLBORN
 PREMATURE BIRTH
 ANESTHESIA
 DIED IN TRANSIT

BEACHED
1 UNKNOWN

MORTALITY INTERVAL:

1 STILLBORN
 1 LESS THAN 30 DAYS
 LESS THAN 60 DAYS
 LESS THAN 90 DAYS
 GREATER THAN
 90 DAYS

BOS JAVANICUS(3SSP)/BANTENG/
BOS JAVANICUS JAVANICUS/JAVA BANTENG/

19-009-002-002-002

173264 SPECIMEN-ID 25/02/75 DONATED TO: 310505032SAN DIEGO WILD ANIMAL PARK(BK)/SAN DIEGO/CALIFORNI
 V/R ID: UNKN. DELIVERY COST: .

175045 SPECIMEN-ID 29/07/75 DONATED TO: 310505032SAN DIEGO WILD ANIMAL PARK(BK)/SAN DIEGO/CALIFORNI
 V/R ID: UNKN. DELIVERY COST: .

12/03/75 CAPTIVE BORN AGE: YR 9MO SEX: MALE
 DAM: 172203 SIRE: 171013

175143 SPECIMEN-ID 10/06/75 CAPTIVE BORN AGE: YR 6MO SEX: MALE
 DAM: 171013 SIRE: 167136

SUMMARY: BOS JAVANICUS(3SSP)/BANTENG/

ACQUIRED:

2 BORN
 WILD CAUGHT
 WILD FOUND
 TRADE FROM
 PURCHASE FROM
 DONATION FROM
 LOAN FROM
 LOAN RETURNED
 RETRIEVAL, THEFT
 RETRIEVAL, ESCAPE
 CLUTCH OF EGGS
 2 TOTAL

RELEASED:

2 DEATH
 TRADED TO
 SALE TO
 DONATION TO
 LOAN TO
 LOAN RETURNED
 THEFT
 ESCAPE
 RETURN MILD
 2 TOTAL

CAUSE OF DEATH:

EUTHANASIA
 SELF-INFLICTED
 TRAUMA FROM OTHER
 MALICIOUS DESTRUC
 DEGENERATIVE
 INFECTIOUS
 PARASITES
 METABOLIC
 STILLBORN
 PREMATURE BIRTH
 ANESTHESIA
 DIED IN TRANSIT

BEACHED
UNKNOWN

MORTALITY INTERVAL:

1 STILLBORN
 LESS THAN 30 DAYS
 LESS THAN 60 DAYS
 LESS THAN 90 DAYS
 GREATER THAN
 90 DAYS

BOS MUTUS(2SSP)/YAK/
BOS MUTUS GRUNNIENS/DOMESTIC YAK/

19-009-002-003-003

175244 SPECIMEN-ID 11/12/75 OTHER SOURCE AGE: YR MO SEX: FEMALE BIRTH RECORDED
 INSTIT BURN LOC: 310505032 SAN DIEGO WILD ANIMAL PARK(BK)/

SUMMARY: BISON/BISON/
12-SPECIMEN 8-FEMALE 4-MALE 4-STDBK. 1-POST-E Q.
LONGEVITY 2-1YR 1-3YR 1-4YR 1-5YR 6-10YR 1-15YR
BOS/TRUE CATTLE/
BOS GAURUS(4SSP)/GAUR/
BOS GAURUS GAURUS/GAUR/ 19-009-002-001-002

173020 SPECIMEN-ID 19/02/73 OTHER SOURCE AGE: 4YR 6MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
19/02/73 PURCHASED FROM: 310544015 BUSCH GARDENS (US)/HOUSTON/TEXAS/USA
V/R ID: UNKN. ACQ COST: DELIVERY COST:
19/02/73 STUDBOOK SPECIMEN NUMBER 51 OKC 9

173126 SPECIMEN-ID 15/05/73 OTHER SOURCE AGE: 3YR 4MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
15/05/73 REC'D IN TRADE FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLA
V/R ID: UNKN. ACQ COST: DELIVERY COST:
15/05/73 STUDBOOK SPECIMEN NUMBER 76 OKC 15

SUMMARY: BOS GAURUS(4SSP)/GAUR/
2-SPECIMEN 1-FEMALE 1-MALE 2-STDBK.
LONGEVITY 1-4YR 1-5YR
BOS JAVANICUS(3SSP)/BANTENG/
BOS JAVANICUS JAVANICUS/JAVA BANTENG/ 19-009-002-002-002

167136 SPECIMEN-ID 22/05/67 OTHER SOURCE AGE: 10YR 4MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 310539013 PHILADELPHIA ZOOLOGICAL GARDEN
22/05/67 PURCHASED FROM: 310522350 SOUTHWICK MILD ANIMALS FARM, INC. (MD)/BLACKSTON
V/R ID: UNKN. ACQ COST: DELIVERY COST:

167137 SPECIMEN-ID 22/05/67 OTHER SOURCE AGE: 9YR 6MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 310539013 PHILADELPHIA ZOOLOGICAL GARDEN
22/05/67 PURCHASED FROM: 310522350 SOUTHWICK MILD ANIMALS FARM, INC. (MD)/BLACKSTON
V/R ID: UNKN. ACQ COST: DELIVERY COST:

171013 SPECIMEN-ID 31/01/71 CAPTIVE BORN AGE: 4YR 10MO SEX: FEMALE
DAM: 167137 SIRE: 167136
31/01/71 TAG / TATTOO / HOUSE NAME CAROSA

172003 SPECIMEN-ID 11/01/72 CAPTIVE BORN AGE: 3YR 1MO SEX: FEMALE
DAM: 167137 SIRE: 167136
11/01/72 TAG / TATTOO / HOUSE NAME DILI

174204 SPECIMEN-ID 09/11/74 CAPTIVE BORN AGE: 1YR 1MO SEX: MALE
DAM: 167137 SIRE: 167136

175143 SPECIMEN-ID 10/05/75 CAPTIVE BORN AGE: YR 6MO SEX: MALE
DAM: 171013 SIRE: 167136

SUMMARY: BOS JAVANICUS(3SSP)/BANTENG/
6-SPECIMEN 3-FEMALE 3-MALE
LONGEVITY 1-1YR 1-2YR 1-4YR 1-5YR 2-10YR

MAMMALIA/MAMMALS/

SUMMARY: BISON/BISON/
 10-SPECIMEN 7-FEMALE 3-MALE
 LONGEVITY 1-2YR 1-3YR 1-4YR 1-5YR 6-10YR
 BOS/TRUE CATTLE/ 4-STDBK, 1-POST-E Q.
 BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS GAURUS/GAUR/

19-009-002-001-002
 173020 SPECIMEN-ID 19/02/73 OTHER SOURCE AGE: 3YR 6MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
 19/02/73 PURCHASED FROM: 310544015 BUSCH GARDENS (US)/HOUSTON/TEXAS/USA
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 19/02/73 STUDBOOK SPECIMEN NUMBER 51 OKC 9
 173126 SPECIMEN-ID 15/05/73 OTHER SOURCE AGE: 2YR 4MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
 15/05/73 REC'D IN TRADE FROM: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA CITY/OKLA
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 15/05/73 STUDBOOK SPECIMEN NUMBER 76 OKC 15

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-3YR 1-4YR
 BOS JAVANICUS(3SSP)/BANTENG/
 BOS JAVANICUS JAVANICUS/JAVA BANTENG/ 2-STDBK,
 19-009-002-002-002

167136 SPECIMEN-ID 22/05/67 OTHER SOURCE AGE: 9YR 4MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 310539013 PHILADELPHIA ZOOLOGICAL GARDEN
 22/05/67 PURCHASED FROM: 310522350 SOUTHWICK WILD ANIMALS FARM, INC. (MD)/BLACKSTON
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 167137 SPECIMEN-ID 22/05/67 OTHER SOURCE AGE: 8YR 6MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 310539013 PHILADELPHIA ZOOLOGICAL GARDEN
 22/05/67 PURCHASED FROM: 310522350 SOUTHWICK WILD ANIMALS FARM, INC. (MD)/BLACKSTON
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 171013 SPECIMEN-ID 31/01/71 CAPTIVE BORN AGE: 3YR 10MO SEX: FEMALE
 DAM: 167137 SIRE: 167136
 31/01/71 TAG / TATTOO / HOUSE NAME CAROSA
 172003 SPECIMEN-ID 11/01/72 CAPTIVE BORN AGE: 2YR 11MO SEX: FEMALE
 DAM: 167137 SIRE: 167136
 11/01/72 TAG / TATTOO / HOUSE NAME DILI
 173264 SPECIMEN-ID 19/11/73 CAPTIVE BORN AGE: 1YR 1MO SEX: FEMALE
 DAM: 167137 SIRE: 167136
 174204 SPECIMEN-ID 09/11/74 CAPTIVE BORN AGE: YR 1MO SEX: MALE
 DAM: 167137 SIRE: 167136

SUMMARY: BOS JAVANICUS(3SSP)/BANTENG/
 6-SPECIMEN 4-FEMALE 2-MALE
 LONGEVITY 1-1YR 1-2YR 1-3YR 1-4YR 2-10YR

3-SPECIMEN 2-FEMALE 1-MALE
LONGEVITY 1-3YR 1-10YR 1-20YR

SUMMARY: GIRAFFIDAE/GIRAFFES/
3-SPECIMEN 2-FEMALE 1-MALE
LONGEVITY 1-3YR 1-10YR 1-20YR

BOVIDAE//

BOS/TPIE CATTLE/

BOS GAURUS(4SSP)/GAUR/

BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

073520 SPECIMEN-ID 18/12/73 OTHER SOURCE AGE: 2YR 5MO SEX: MALE
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA
18/12/73 PURCHASED FROM: 310544354 VIVO ANIMALES/LORENA/TEXAS/USA
V/R ID: UNKN. ACQ COST: DELIVERY COST:

073521 SPECIMEN-ID 18/12/73 OTHER SOURCE AGE: 2YR 7MO SEX: FEMALE
INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA

Dem
033702
Stu 110K2

Dem
3709# Lilly deceased
114604

stud
24 BE9
Berlin import

Sine
100K1

ST. LOUIS ZOOLOGICAL PARK (LY)/ST. LOUIS/MISSOURI/USA

YEAR ENDING: 31/12/75 ISIS INVENTORY REPORT PAGE: 48

MAMMALIA/MAMMALS/

18/12/73 PURCHASED FROM: 310544354 VIVO ANIMALES/LORENA/TEXAS/USA
V/R ID: UNKN. ACQ COST: DELIVERY COST:

SUMMARY: BOS GAURUS(4SSP)/GAUR/
2-SPECIMEN 1-FEMALE 1-MALE
LONGEVITY 2-3YR
BOS JAVANICUS(3SSP)/BANTENG/
BOS JAVANICUS(3SSP)/BANTENG/

19-009-002-002-001

073515 SPECIMEN-ID 29/06/73 OTHER SOURCE AGE: 4YR 9MO SEX: MALE BIRTH RECORDED
INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
29/06/73 PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEM ROCHELLE/NEM YO
V/R ID: UNKN. ACQ COST: DELIVERY COST:
29/06/73 ENDANGERED SPECIES PERMIT NO. ES156
29/06/73 TAG / TATTOO / HOUSE NAME 1885

073516 SPECIMEN-ID 29/06/73 OTHER SOURCE AGE: 3YR 4MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
29/06/73 PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEM ROCHELLE/NEM YO
V/R ID: UNKN. ACQ COST: DELIVERY COST:
29/06/73 ENDANGERED SPECIES PERMIT NO. ES156
29/06/73 TAG / TATTOO / HOUSE NAME 1884

073517 SPECIMEN-ID 29/06/73 OTHER SOURCE AGE: 4YR 9MO SEX: FEMALE BIRTH RECORDED
INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
29/06/73 PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEM ROCHELLE/NEM YO
V/R ID: UNKN. ACQ COST: DELIVERY COST:
29/06/73 ENDANGERED SPECIES PERMIT NO. ES156
29/06/73 TAG / TATTOO / HOUSE NAME 1883

074518 SPECIMEN-ID 03/04/74 CAPTIVE BORN AGE: 1YR 8MO SEX: FEMALE
DAM: 073516 SIRE: 073515

074519 SPECIMEN-ID 04/07/74 CAPTIVE BORN AGE: 1YR 5MO SEX: MALE
DAM: 073517 SIRE: 073515

075544 SPECIMEN-ID 02/07/75 CAPTIVE BORN AGE: 1YR 5MO SEX: FEMALE
DAM: 073517 SIRE: 073515

MAMMALIA/MAMMALS/

067444 SPECIMEN-ID 23/07/67 OTHER SOURCE AGE: 9YR EST SEX: FEMALE
 23/07/67 PURCHASED FROM: 310523350 INTERNATIONAL ANIMAL EXCHANGE (MT)/FERNDAL/MI
 23/07/67 TAG / TATTOO / HOUSE NAME 1277 JANE
 LOC: UNKNOWN
 V/R ID: UNKN. ACQ COST: DELIVERY COST:

067445 SPECIMEN-ID 23/07/67 PURCHASED FROM: 310523350 INTERNATIONAL ANIMAL EXCHANGE (MT)/FERNDAL/MI
 23/07/67 TAG / TATTOO / HOUSE NAME 1276 REGGIE
 V/R ID: UNKN. ACQ COST: DELIVERY COST:

073446 SPECIMEN-ID 19/07/73 CAPTIVE BORN AGE: 1YR 5MO SEX: FEMALE
 DAM: 067444 SIRE: 058443

074447 SPECIMEN-ID 26/08/74 CAPTIVE BORN AGE: YR 4MO SEX: MALE
 26/08/74 TAG / TATTOO / HOUSE NAME JEREMY
 DAM: 058443 SIRE: 067445

SUMMARY: GIRAFFA CAMELOPARDALIS(9SSP)/GIRAFFE/

4-SPECIMEN 2-FEMALE 2-MALE
 LONGEVITY 1-1YR 1-2YR 1-10YR 1-20YR

SUMMARY: GIRAFFA/GIRAFFE/

4-SPECIMEN 2-FEMALE 2-MALE
 LONGEVITY 1-1YR 1-2YR 1-10YR 1-20YR

SUMMARY: GIRAFFIDAE/GIRAFFES/

4-SPECIMEN 2-FEMALE 2-MALE
 LONGEVITY 1-1YR 1-2YR 1-10YR 1-20YR

BOVIDAE//

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS GAURUS/GAUR/

19-009-002-001-002

073520 SPECIMEN-ID 18/12/73 OTHER SOURCE AGE: 1YR 5MO SEX: MALE
 18/12/73 PURCHASED FROM: 310544354 VIVO ANIMALES/LORENA/TEXAS/USA
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA

073521 SPECIMEN-ID 18/12/73 OTHER SOURCE AGE: 1YR 7MO SEX: FEMALE
 18/12/73 PURCHASED FROM: 310544354 VIVO ANIMALES/LORENA/TEXAS/USA
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 INSTIT BORN LOC: 310537005 OKLAHOMA CITY ZOO (OZ)/OKLAHOMA

SUMMARY: BOS GAURUS(4SSP)/GAUR/

2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 2-2YR

BOS JAVANICUS(3SSP)/BANTENG/
 BOS JAVANICUS(3SSP)/BANTENG/

19-009-002-002-001

073515 SPECIMEN-ID 29/06/73 OTHER SOURCE AGE: 3YR 9MO SEX: MALE
 29/06/73 PURCHASED FROM: 310533351 F.J.ZEEHANDELAAR INC. (JH)/NEM ROCHELLE/NEM YO
 29/06/73 ENDANGERED SPECIES PERMIT NO. ES156
 V/R ID: UNKN. ACQ COST: DELIVERY COST:
 INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
 BIRTH RECORDED

MAMMALIA/MAMMALS/

SUMMARY: GIRAFFA CAMELOPARDALIS(9SSP)/GIRAFFE/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|-------------------|---------------------|
| 1 BORN | 1 DEATH | EUTHANASIA | UNKNOMN |
| MILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| MILD FOUND | SALE TO | TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN MILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | 1 TOTAL | PREMATURE BIRTH | 1 GREATER THAN |
| CLUTCH OF EGGS | 1 AUTOPSIES | ANESTHESIA | 90 DAYS |
| 1 TOTAL | | DIED IN TRANSIT | |

BOVIDAE//

BOS/TRUE CATTLE/

BOS GAURUS(4SSP)/GAUR/

BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

114604 SPECIMEN-ID 02/06/75 DEATH CAUSE: INJURY FROM OTHER AGENCY DISP: INCINERATE
AUTOP: AK CARC TO: N/A

384314 SPECIMEN-ID 23/10/75 SOLD TO: 310505018 LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
V/R ID: UNKN. PRICE: \$5000. DELIVERY COST:

433116 SPECIMEN-ID 23/10/75 SOLD TO: 310505018 LOS ANGELES ZOO(CT)/LOS ANGELES/CALIFORNIA/USA
V/R ID: UNKN. PRICE: \$6000. DELIVERY COST:
31/01/75 CAPTIVE BORN AGE: YR10MO SEX: FEMALE
DAM: 114604 SIRE: 033601

458617 SPECIMEN-ID 07/06/75 CAPTIVE BORN AGE: YR 6MO SEX: MALE
DAM: 033803 SIRE: 033601

464418 SPECIMEN-ID 23/06/75 CAPTIVE BORN AGE: YR 6MO SEX: MALE
DAM: 307712 SIRE: 033601

SUMMARY: BOS GAURUS(4SSP)/GAUR/

| ACQUIRED: | RELEASED: | CAUSE OF DEATH: | BEACHED |
|-------------------|---------------|---------------------|---------------------|
| 3 BORN | 1 DEATH | EUTHANASIA | UNKNOMN |
| MILD CAUGHT | TRADED TO | SELF-INFLICTED | |
| MILD FOUND | 2 SALE TO | 1 TRAUMA FROM OTHER | |
| TRADE FROM | DONATION TO | MALICIOUS DESTRUC | |
| PURCHASE FROM | LOAN TO | DEGENERATIVE | MORTALITY INTERVAL: |
| DONATION FROM | LOAN RETURNED | INFECTIOUS | STILLBORN |
| LOAN FROM | THEFT | PARASITES | LESS THAN 30 DAYS |
| LOAN RETURNED | ESCAPE | METABOLIC | LESS THAN 60 DAYS |
| RETRIEVAL, THEFT | RETURN MILD | STILLBORN | LESS THAN 90 DAYS |
| RETRIEVAL, ESCAPE | 3 TOTAL | PREMATURE BIRTH | 1 GREATER THAN |
| CLUTCH OF EGGS | 1 AUTOPSIES | ANESTHESIA | 90 DAYS |
| 3 TOTAL | | DIED IN TRANSIT | |

SYNCEPUS/AFRICAN BUFFALO/

SYNCEPUS CAFFER(3SSP)/AFRICAN BUFFALO/

SYNCEPUS CAFFER BRACHYCEPUS/SAVANNA BUFFALO/

19-009-005-001-003

446214 SPECIMEN-ID 20/10/75 SOLD TO: 310544354 VIVO ANIMALES/LORENA/TEXAS/USA
V/R ID: UNKN. PRICE: \$1250. DELIVERY COST:

MAMMALIA/MAMMALS/

SUMMARY: BISON/BISON/
 3-SPECIMEN 2-FEMALE 1-MALE
 LONGEVITY 3-5YR
 BOS/TRUE CATTLE/
 BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

| | | | | | | |
|--------------------|----------|-----------------|----------------|-------------------------------|---------------------------------|----------------|
| 033601 SPECIMEN-ID | 08/07/64 | OTHER SOURCE | AGE: 11YR EST | SEX: MALE | | |
| | | WILD BORN | LOC: 430819 | | MYSORE/INDIA/SOUTHCENTRAL ASIA/ | |
| | 08/07/64 | PURCHASED FROM: | 310533351 | F. J. ZEEHANDELAAR INC. (JH)/ | NEW ROCHELLE/NEW YO | |
| | | V/R ID: | UNKN. | ACQ COST: | \$5500. | DELIVERY COST: |
| | 08/07/64 | | | STUDBOOK SPECIMEN NUMBER | 10 OKC1 | |
| | 08/07/64 | | | TAG / TATTOO / HOUSE NAME | 511 JOP | |
| 033702 SPECIMEN-ID | 19/11/64 | OTHER SOURCE | AGE: 11YR EST | SEX: FEMALE | | |
| | | WILD BORN | LOC: 430819 | | MYSORE/INDIA/SOUTHCENTRAL ASIA/ | |
| | 19/11/64 | PURCHASED FROM: | 310533351 | F. J. ZEEHANDELAAR INC. (JH)/ | NEW ROCHELLE/NEW YO | |
| | | V/R ID: | UNKN. | ACQ COST: | | DELIVERY COST: |
| | 19/11/64 | | | STUDBOOK SPECIMEN NUMBER | 11 OKC2 | |
| | 19/11/64 | | | TAG / TATTOO / HOUSE NAME | 589 | |
| 033803 SPECIMEN-ID | 01/05/69 | CAPTIVE BORN | AGE: 5YR 3MO | SEX: FEMALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |
| | 01/05/69 | | | STUDBOOK SPECIMEN NUMBER | 48 OKC6 | |
| 114604 SPECIMEN-ID | 05/01/70 | OTHER SOURCE | AGE: 6YR 2MO | SEX: FEMALE | | BIRTH RECORDED |
| | | INSTIT BORN | LOC: 111103001 | | AKTIEN-VEREIN DES ZOOL. GARTENS | |
| | 05/01/70 | PURCHASED FROM: | 310533351 | F. J. ZEEHANDELAAR INC. (JH)/ | NEW ROCHELLE/NEW YO | |
| | | V/R ID: | UNKN. | ACQ COST: | | DELIVERY COST: |
| | 05/01/70 | | | STUDBOOK SPECIMEN NUMBER | 24 BE9 | |
| | 05/01/70 | | | TAG / TATTOO / HOUSE NAME | 1686 LILLY | |
| 184008 SPECIMEN-ID | 12/01/72 | CAPTIVE BORN | AGE: 2YR | MO SEX: FEMALE | | |
| | | DAM: | 114604 | SIRE: | 033601 | |
| | 12/01/72 | | | STUDBOOK SPECIMEN NUMBER | 52 OKC10 | |
| 216809 SPECIMEN-ID | 07/07/72 | CAPTIVE BORN | AGE: 2YR 6MO | SEX: FEMALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |
| | 07/07/72 | | | STUDBOOK SPECIMEN NUMBER | 72 OKC11 | |
| 307712 SPECIMEN-ID | 18/07/73 | CAPTIVE BORN | AGE: 1YR 6MO | SEX: FEMALE | | |
| | | DAM: | 033803 | SIRE: | 033601 | |
| | 18/07/73 | | | STUDBOOK SPECIMEN NUMBER | 74 OKC13 | |
| 384314 SPECIMEN-ID | 18/06/74 | CAPTIVE BORN | AGE: YR 5MO | SEX: MALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |
| | 18/06/74 | | | STUDBOOK SPECIMEN NUMBER | 77 OKC16 | |
| 384915 SPECIMEN-ID | 20/06/74 | CAPTIVE BORN | AGE: YR 5MO | SEX: MALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |

78 OKC17

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 9-SPECIMEN 6-FEMALE 3-MALE
 LONGEVITY 2-1YR 1-2YR 2-3YR

2-10YR 2-15YR

8-STDBK.

MAMMALIA/MAMMALS/

SUMMARY: BISON/BISON/
 3-SPECIMEN 2-FEMALE 1-MALE
 LONGEVITY
 BOS/TRUE CATTLE/
 BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS(4SSP)/GAUR/

3-10YR

19-009-002-001-001

| | | | | | | |
|--------------------|----------|-----------------|---------------|---------------------------|---------------------------------|----------------|
| 033601 SPECIMEN-ID | 08/07/64 | OTHER SOURCE | AGE: 12YR EST | SEX: MALE | | |
| | | WILD BORN | LOC: 430819 | | MYSORE/INDIA/SOUTHCENTRAL ASIA/ | |
| | 08/07/64 | PURCHASED FROM: | 310533351 | F.J.ZEEHANDELAAR INC. | (JH)/NEW ROCHELLE/NEW YO | |
| | | V/R ID: | UNKN. | ACQ COST: | \$5500. | DELIVERY COST: |
| | 08/07/64 | | | STUDBOOK SPECIMEN NUMBER | 10 | OKC1 |
| | 08/07/64 | | | TAG / TATTOO / HOUSE NAME | 511 | JOP |
| 033702 SPECIMEN-ID | 19/11/64 | OTHER SOURCE | AGE: 12YR EST | SEX: FEMALE | | |
| | | WILD BORN | LOC: 430819 | | MYSORE/INDIA/SOUTHCENTRAL ASIA/ | |
| | 19/11/64 | PURCHASED FROM: | 310533351 | F.J.ZEEHANDELAAR INC. | (JH)/NEW ROCHELLE/NEW YO | |
| | | V/R ID: | UNKN. | ACQ COST: | | DELIVERY COST: |
| | 19/11/64 | | | STUDBOOK SPECIMEN NUMBER | 11 | OKC2 |
| | 19/11/64 | | | TAG / TATTOO / HOUSE NAME | 589 | |
| 033803 SPECIMEN-ID | 01/05/69 | CAPTIVE BORN | AGE: 6YR 8MO | SEX: FEMALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |
| | 01/05/69 | | | STUDBOOK SPECIMEN NUMBER | 48 | OKC6 |
| 184008 SPECIMEN-ID | 12/01/72 | CAPTIVE BORN | AGE: 3YR 11MO | SEX: FEMALE | | |
| | | DAM: | 114604 | SIRE: | 033601 | |
| | 12/01/72 | | | STUDBOOK SPECIMEN NUMBER | 52 | OKC10 |
| 216809 SPECIMEN-ID | 07/07/72 | CAPTIVE BORN | AGE: 3YR 5MO | SEX: FEMALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | |
| | 07/07/72 | | | STUDBOOK SPECIMEN NUMBER | 72 | OKC11 |
| 307712 SPECIMEN-ID | 18/07/73 | CAPTIVE BORN | AGE: 2YR 5MO | SEX: FEMALE | | |
| | | DAM: | 033803 | SIRE: | 033601 | |
| | 18/07/73 | | | STUDBOOK SPECIMEN NUMBER | 74 | OKC13 |
| 384915 SPECIMEN-ID | 20/06/74 | CAPTIVE BORN | AGE: 1YR 6MO | SEX: MALE | | |
| | | DAM: | 033702 | SIRE: | 033601 | 17 |
| 458617 SPECIMEN-ID | 07/06/75 | CAPTIVE BORN | AGE: 1YR 6MO | SEX: MALE | | |
| | | DAM: | 033803 | SIRE: | 033601 | 19 |
| 464418 SPECIMEN-ID | 23/06/75 | CAPTIVE BORN | AGE: 1YR 6MO | SEX: MALE | | |
| | | DAM: | 307712 | SIRE: | 033601 | 20 |

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 3-SPECIMEN 5-FEMALE 4-MALE
 LONGEVITY 2-1YR 1-2YR 1-3YR 2-4YR

1-10YR 2-15YR

6-STDBK.

MAMMALIA/MAMMALS/

4438 SPECIMEN-ID 15/08/74 OTHER SOURCE AGE: 1YR 1MO SEX: MALE BIRTH RECORDED
 LOC: UNKNOWN.
 15/08/74 PURCHASED FROM: 310203005 ASSINIBOINE PARK ZOO (1H)/WINNIPEG/MANITOBA/CA
 V/R ID: UNKN. ACQ COST: . DELIVERY COST: .
 15/08/74 TAG / TATTOO / HOUSE NAME ASPER

4439 SPECIMEN-ID 15/08/74 OTHER SOURCE AGE: 1YR 7MO SEX: FEMALE BIRTH RECORDED
 LOC: UNKNOWN.
 15/08/74 PURCHASED FROM: 310203005 ASSINIBOINE PARK ZOO (1H)/WINNIPEG/MANITOBA/CA
 V/R ID: UNKN. ACQ COST: . DELIVERY COST: .
 15/08/74 TAG / TATTOO / HOUSE NAME ASPEN

5203 SPECIMEN-ID 09/10/74 OTHER SOURCE AGE: 3YR 5MO SEX: FEMALE BIRTH RECORDED
 LOC: UNKNOWN.
 09/10/74 PURCHASED FROM: 111108009 RUHR-ZOO GELSENKIRCHEN/GELSENKIRCHEN/N. RHINE-
 V/R ID: 2832 ACQ COST: . DELIVERY COST: .
 09/10/74 TAG / TATTOO / HOUSE NAME SPURMA

SUMMARY: BISON BONASUS(2SSP)/EUROPEAN BISON, WISENT
 5-SPECIMEN 3-FEMALE 2-MALE
 LONGEVITY 2-2YR 2-3YR 1-4YR

SUMMARY: BISON/BISON/
 32-SPECIMEN 19-FEMALE 13-MALE
 LONGEVITY 1-1YR 26-2YR 3-3YR 1-4YR 1-10YR
 BOS/TRUE CATTLE/
 BOS GAURUS(4SSP)/GAUR/
 BOS GAURUS(4SSP)/GAUR/

19-009-002-001-001

2026 SPECIMEN-ID 23/11/73 OTHER SOURCE AGE: 3YR MO SEX: MALE BIRTH RECORDED
 INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
 23/11/73 PURCHASED FROM: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS ZU BERLIN(65)/
 V/R ID: 60 ACQ COST: . DELIVERY COST: .

2027 SPECIMEN-ID 23/11/73 OTHER SOURCE AGE: 2YR 9MO SEX: FEMALE BIRTH RECORDED
 INSTIT BORN LOC: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS
 23/11/73 PURCHASED FROM: 111103001 AKTIEN-VEREIN DES ZOOL. GARTENS ZU BERLIN(65)/
 V/R ID: 57 ACQ COST: . DELIVERY COST: .

SUMMARY: BOS GAURUS(4SSP)/GAUR/
 2-SPECIMEN 1-FEMALE 1-MALE
 LONGEVITY 1-3YR 1-4YR
 BOS MUTUS(2SSP)/YAK/
 BOS MUTUS GRUNNIENS/DOMESTIC YAK/

19-009-002-003-003

275 SPECIMEN-ID 15/12/72 OTHER SOURCE AGE: 4YR EST SEX: FEMALE BIRTH RECORDED
 LOC: UNKNOWN.
 15/12/72 PURCHASED FROM: 310533008 CATSKILL GAME FARM(JF)/CATSKILL/NEW YORK/USA
 V/R ID: UNKN. ACQ COST: . DELIVERY COST: .
 15/12/72 TAG / TATTOO / HOUSE NAME 131

1586 SPECIMEN-ID 24/08/73 OTHER SOURCE AGE: 3YR EST SEX: FEMALE BIRTH RECORDED
 LOC: UNKNOWN.
 24/08/73 PURCHASED FROM: 310203005 ASSINIBOINE PARK ZOO (1H)/WINNIPEG/MANITOBA/CA
 V/R ID: UNKN. ACQ COST: . DELIVERY COST: .

USA 1/0*; Chicago Brookfield USA 12/4(6/0); Cincinnati USA (1); Cleres Fr 2; Cleveland USA 0/2(1); Copenhagen Den 2/2(1/0)*; Grand Prairie LCS USA 2/0; Hanover Ge (1/0); Jackson USA 3/2(1/0)*; Jos Nig 1/0; Kansas USA (1); Krakow Pol 1/0; Liberec Cz 1/1*; Lyons Fr 1; Madrid Sp 0/1; Maiduguri Nig 1/1; Melbourne Austral (2/1)*; Monroe USA 2/2(1/0); Oklahoma USA 8/3(1/0)*; Paris PZ Fr 4/1(4); San Diego USA 1; Sydney Austral 1/1; Tampa USA 2/1; Topeka USA 1/1(1/0)*; Toronto Can 0/1*; Wellington NZ 1/1; Whipsnade GB 2/0; Wroclaw Pol 1/1*.

WESTERN SITATUNGA *T. s. gratus*
Barcelona Sp 2/5; Berlin W Ge (1/0); Mulhouse Fr 2/0; Naples It 2/3*; Poznan Pol 4/1*; Prague Cz 8/4(1/1).

BUSHBUCK or HARNESSSED

ANTELOPE *Tragelaphus scriptus*
Antwerp Bel 0/1; Brownsville USA 2/2(1/0); Chicago Brookfield USA 3/0(1); E. London SA 3/0; Hanover Ge 1/1(1/0); Johannesburg SA 1; Memphis USA 2/0/2; Nanyuki Kenya 2/3; Pietermaritzburg SA 1/3; Pietermaritzburg NLP SA 1/0; San Antonio USA 2/2(2/1); Tampa USA 0/2.

LESSER KUDU *Tragelaphus imberbis*
Basle Switz 1/1*; Dvur Kralove Cz (1/1); San Antonio USA 1/2.

GREATER KUDU *Tragelaphus strepsiceros*
Albuquerque USA 2/2(1); Amsterdam Ne 3/0(2); Berlin W Ge 0/1; Brownsville USA 2/1(1/0); Chester GB 1; Chicago Brookfield USA 2/4(1/3); Chicago LP USA 1/1; Dallas USA 0/2; Denver USA 1/2; Duisburg Ge 2/1*; Dvur Kralove Cz 0/3; Frankfurt Ge 1/0*; Hamburg Ge 0/1; Hanover Ge 2/0(1); Johannesburg SA 5*; London ZSL GB 1; Los Angeles USA (1/2); Madrid Sp 1; Mallorca Sp 1/2; Memphis USA 0/2; Mexico Chapultepec 1/0; Milwaukee USA 1/4(1/2); Mtn Home USA 0/1/5(0/1)*; Nagoya Jap 0/1; Oakland USA (0/1); Oklahoma USA 2/1(1/0); Poznan Pol 1/0*; Prague Cz 2/0; Prescott GB 1/2(1/0); Pretoria SA 1/0; Rotterdam Ne 0/1/2(2); St Louis USA 1/1*; San Antonio USA 1/0; San Diego WAP USA 3/2(2/2)*; Tampa USA 0/2; Washington NZP USA 1/2; Zurich Switz 1/1.

BONGO *Boocercus eurycerus* RARE
Berlin W Ge 0/1; Frankfurt Ge 1/1.

ELAND *Taurotragus oryx*
Total bred: 82/78/14 (14/8/9) in 67 collections.

ZAMBESI ELAND *T. o. livingstonei*
Catskill USA 2/4*.

EAST AFRICAN ELAND

T. o. pattersonianus
Cleveland USA 1/0; Dvur Kralove Cz 5/8*; Neuwied Ge 1/2*; San Diego WAP USA 2/1*.

ELAND/SITATUNGA HYBRID

T. oryx × *T. spekei*
Salt Lake USA (0/2)*.

DERBY ELAND *Taurotragus derbianus* RARE
Antwerp Bel 2/2(1/0).

NILGAI *Boselaphus tragocamelus*
Total bred: 86/101/6 (14/16/6) in 60 collections.

FOUR-HORNED ANTELOPE

Tetracerus quadricornis
Calcutta Ind 1/1; Delhi Ind (1/1); Hyderabad Ind 3; Lucknow Ind 2; Trivandrum Ind 1/2*.

ASIATIC BUFFALO *Bubalus bubalis*

Adelaide Austral 1/1; Augsburg Ge 0/1; Bekesbourne GB (2/1); Fasano It 2/0(1); Gdansk Pol 4/1(0/1); Heidelberg Ge 1/1; Hyderabad Ind 0/1; Jerusalem Is 1/0; Johannesburg SA 2; Katowice Pol 2/0(1); Kitakyushu Jap (0/1); Kiev USSR 1/1; Kolmarden Swed 1/2(0/1); Oakland BZ USA 0/1; Paris M Fr 0/1; San Diego WAP USA 2/3(0/1); San Francisco USA 0/1; Sao Paulo Braz 0/2; Tokyo Tama Jap 1/2(0/2); Vienna Aus 1/0; Wroclaw Pol 0/2.

GAUR *Bos gaurus* RARE
Omaha USA 1/1.

INDIAN GAUR *B. g. gaurus*
Berlin W Ge 1/2; Munich Ge 1/0*.

BURMESE GAUR *B. g. readei*
Oklahoma USA 1/2.

GAYAL *Bos frontalis*
Amsterdam Ne 0/1; Berlin E Ge 2/2; Hanover Ge (1/1); Karlsruhe Ge 0/1*; Kolmarden Swed 1/1; Tallin USSR (0/1).

***BANTENG** *Bos javanicus* IUCN (V)
Amsterdam Ne (1/1); Arnhem Ne (0/1); Askaniya-Nova USSR 0/1*; Berlin E Ge 3/1(2/0)*; Berlin W Ge 1/2; Chicago Brookfield USA 0/1; Edmondson AGF Can 1/0; Hamburg Ge 1/2(1/0); Karlsruhe Ge 0/1*; Kiev USSR 1/0; Kolmarden Swed 1 2/1 0/1; Madrid Sp 0/1; Munich Ge 3/1*; Nuremberg Ge 1/1; Pretoria SA 4/0; Rome It 2/2(1/0); Rotterdam Ne 3/2(0/1)*; St Louis USA (1/0)*; San Diego USA 0/1*; Tallin USSR 1/0.